

NOTICE INVITING TENDER (NIT)

(CAPTIVE POWER PLANT,NALCO,ANGUL)

RFP No:

CPP/T&C/GeM-275/MC-5554/NIT/2025/432

DATE: 19/09/2025

SUB:

RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS

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PART –A

General information

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ANNEXURE-A

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. E-Procurement through GeM

- 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.
- 2.2 Reverse Auction:- In case of Reverse auction tendering, the Date, time and quantum of decremental value will be **as per the provisions of GeM Portal..** The bidder should take a note of it and see the **other** details as per **Annexure-A8.**

3. Purpose of this NIT

- 3.1. CPP- NALCO invites **digitally signed / physically signed** online bids under OPEN/TWO PART GeM system.
- 3.2. **The Salient features of the Tender are as detailed in F-02 Form (Annexure-B1).**

4. Bidding Process

- 4.1 The entire set of Tender document needs to be uploaded and **digitally signed / physically signed** in GeM Portal (www.gem.gov.in) along with bid submission conformation page from GeM System Government of India, 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, CPP, NALCO, Angul-759145 (Odisha) by Speed Post/By Hand before the due date & time of bid opening.**
 - 4.9.1 EMD and Cancelled Cheque (all in original). Copy of all these documents are also required to be uploaded in GeM Portal along with Bid documents.

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

For tendering in GEM portal, EMD exemption shall be considered for sellers / service provider having annual turnover of INR 500 crore or more, at least in one of the past three completed financial year(s), as per General Terms & Conditions (GTC) of GEM portal. However, bidder must submit the valid supporting document for the exemption.

Under MSE category, only manufacturers for goods and service providers for services are eligible for exemption from EMD. Traders are excluded from the purview of this policy.

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

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

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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, they 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 / concurrent commitments of the tenderer (**Annexure-C8 (where ever applicable)**) for his offer evaluation. Suppression of credential / facts may lead to penal action as per procedure.
- 4.13 It is mandatory for the bidder to fill up the **Annexure-A9** (Preference to Make in India 2017), **Annexure-A10** (Restrictions under Rule 144 (xi) of GFR 2017), **Annexure-C19** and **Annexure-C20** (regarding declaration of the relatives in Nalco) and **Annexure-C3** (Deviation statement to the tender terms and conditions) and **Annexure-C4** (Declaration by the bidder) while submitting the offer.
- 4.14 Bidder should check his mail and 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.

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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 only one chance under GeM 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 Present / Concurrent commitment (Not Applicable): - The present / 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 present / concurrent commitments of the bidder plus annualized estimated value of the work (for single agency)/ annualized estimated maximum percentage of work in split case under consideration (for multiple agency) exceeds **four times** the average annual financial turnover during the last three financial years of the bidder, then the bid of such a bidder shall not be considered for further evaluation. **Suppression of fact /data regard to jobs under execution will be considered as gross violation and rejection of bid including penal action such as banning/ blacklisting, as deemed fit.**

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

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

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

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

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

6 Ordering

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

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

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

Designation - Kirti Khaira, Sr.Manager (E&I)
Tender Inviting Authority
Tender & Contract Dept., CPP
Ph. No. 9437563713
Email: kirti.khaira@nalcoindia.co.in

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

3.0 LITIGATION HISTORY:

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

4.0 EARNEST MONEY DEPOSIT (EMD):

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

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

Our bank details for online transfer of EMD

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

<u>Bank transfer details of EMD to be provided.</u>	
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- 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): _____

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

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

- 4.3** Bids without EMD will be rejected. However, the Public Sectors, Government agencies and the Firms registered with NSIC/MSME , and others such as Ancillary Industries etc. for which specific exemption has been granted by NALCO may be considered for exemption from EMD subject to submission of attested documentary evidence in support of the same in sealed envelope as stipulated in NIT.MSEs having UAM no shall also submit supporting documents such as UAM certificate, CA Certificate (certifying that the unit is a MSE having valid MSE certificate).

For tendering in GEM portal, EMD exemption shall be considered for sellers / service provider having annual turnover of INR 500 crore or more, at least in one of the past three completed financial year(s), as per General Terms & Conditions (GTC) of GEM portal. However, bidder must submit the valid supporting document for the exemption.

Under MSE category, only manufacturers for goods and service providers for services are eligible for exemption from EMD. Traders are excluded from the purview of this policy.

- 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.

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5.0 BANK GUARANTEES: -

- 5.1 The vendor may submit Bank Guarantee against Performance Security, Free Issue Material (FIMBG), Advance BG (ADVBG) and Contract Cum Performance Guarantee (CPBG) where ever applicable.
- 5.2 The BG in prescribed format (Annexure-C11 to Annexure-C16) should be issued by approved Banks listed at Annexure-C17 having its branch at Angul/Bhubaneswar and the BG should be registered in Structured Financial Messaging System (SFMS) for BG 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.

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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.**

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- 7.11 Deviations of any form are not acceptable. In case deviation is unavoidable, bidders are instructed to give all deviations in the enclosed deviation statement sheet (**Annexure-C3**) only, along with the tender document. Please be informed that only deviation mentioned in Annexure-C3 will be considered for further evaluation. Deviations at any other place will not be considered. Deviations in LTE single part will not be considered in any case and the bids will be rejected.
- 7.12 Deviation(s) listed at any other place of the tender shall not be considered at all and shall not be binding on NALCO. The tender shall be evaluated based on the deviation statement and no claim whatsoever shall be entertained irrespective of bidder has accepted this particular clause or not.
- 7.13 In case of withdrawal of deviations to NIT specification, if any bidder insists for revision in price before opening of price bid and Nalco agrees for the same, the submission of price implication shall be in offline mode from the bidder in a sealed envelope by hand/password protected file through e-mail within a stipulated time.
- 7.14 NALCO reserves the right to defer the date of tender opening in case the response is considered inadequate or due to any other reasons. In such event, the bidders shall be intimated the next date of opening subsequently.
- 7.15 The bidder shall ensure submission of complete information / documents in the first instant itself. NALCO reserves the right to evaluate the offer based on the details furnished by the bidders on the scheduled date of tender submission without seeking any subsequent additional information.
- 7.16 All the pages of GCC duly signed & stamped by authorized signatory should be submitted along with the agreement / offer. In case of online offers, the copy of GCC is to be uploaded with the offer after **digitally signed / physically 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 GeM site.
- 8.2 In case there is a tie in L-1 position, the concerned bidders may be called to offer maximum possible discount on their quoted rates/revised rate in sealed envelope in order to decide the L-1 bidder among the considered bids.
- 8.3 In case "tie" of price bids, even after application of clause 8.2 above, the following criteria shall prevail in the given order.
 - 8.3.1 Bidder having highest average turnover during last three years shall be preferred. Average Annual Turnover shall be decided based on audited profit and loss account submitted by the bidder for the last three financial years.
 - 8.3.2 The contractor executing the same contract satisfactorily will be preferred.
 - 8.3.3 The contractor of the previous contract, who has executed the same work satisfactorily, will be preferred.
- 8.4 In case of tie for L2 or other positions and L1 price matching is to be made for splitting of the job as per NIT condition, then L2, L3 etc positions shall be determined by applying criteria at sl. no. 8.3 above.
- 8.5 **Where the tender is being finalized through GeM Portal, as per GTC applicable for GeM procurement, if multiple L-1 bidders have quoted the lowest allowed price for the tendered**

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

9.0 ACCEPTANCE OF TENDER:

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

10.0 CONTRACT PERIOD:

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

11.0 OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM:

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

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

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

12.0 ENVIRONMENTAL REQUIREMENTS:

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

13.0 ENERGY MANAGEMENT SYSTEM (ISO 50001):

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

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

14.0 SECRECY TERMS: -

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

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15.0 EXECUTION OF CONTRACT AGREEMENT:

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

16.0 SUPERVISION:

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

17.0 PAYMENT OF WAGES TO ENGAGED LABOUR AT SITE:

- 17.1** Payment of wages to the labour employed by the contractor shall be as per the Central Government notification fixing minimum wages for different categories of labour in Central Public Enterprises from time to time plus an additional element as indicated below (as a part of wages).The contractor shall have to make labour payment accordingly, along with applicable statutory benefits. Therefore, the contractor must quote their rates considering the labour rates indicated at **Annexure-B5**.
- 17.2** The contractor has to ensure payment of minimum bonus @ 8.33% on the notified minimum wages for each category including the additional elements but excluding canteen subsidy (Considering minimum salary as Rs.7000/- per month) to all his workmen engaged in the contract annually.
- 17.3** As per statutory provisions, contractors will have to pay the monthly wages of contract labourers latest by 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.

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- 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. Incase 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)

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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 Sl no. 8.1 & 8.2 of Form F-02 (**Annexure-B1**) of Contact Details)

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

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

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

21.0 ENERGY/WATER/GROUND/BUILDING PREMISES:

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

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

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

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

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- 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

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22.0 QUANTITY & RATE:

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

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

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

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

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

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

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

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

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

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

25.0 TAXES & DUTIES:

25.1 GOODS & SERVICES TAX (GST)

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

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

25.1.3 The Trade Name in GST Certificate should match to the name in vendor code and name in the Cheque. The Legal name in the GST Certificate should match to Legal Name in the PAN. In case of a Company or a Firm all the names should be same. But in case of Sole Proprietorship, the Legal Name and Trade Name may be different.

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

26.0 BILLING & INVOICING:

- 26.1** Measurement of the work done, during a period, against a Contract is very much essential for correct accounting. This is more so necessary at the end of each financial year. Therefore the contractors are expected to stick to the periodic billing schedule as per the Order. The billing system followed in Nalco is called Running Account Bills (RA Bills) to be generated in prescribed format through ERP system based on measurement of work done during a period with

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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 The RA Bill (in duplicate) will be accompanied by

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

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

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

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

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

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

26.4 Similarly, in addition to above the Final Bill (in quadruplicate) will be accompanied by

26.4.1 Material Reconciliation Statement for Free Issue Material, (if applicable)

26.4.2 Stores Issue Voucher, Stores Return Voucher, Material Transfer Voucher if any.

26.4.3 No claim certificate duly signed by the contractor. (**Annexure-C28**)

26.4.4 No due certificate from suggested by MIC. (**Annexure-C28**)

26.4.5 Work Completion certificate from EIC/MIC. (**Annexure-C29**)

26.4.6 Deviation Statement

26.4.7 Handing over / taking over certificate (wherever applicable)

26.4.8 Satisfactory commissioning protocol (wherever applicable)

26.4.9 Royalty clearance certificate (wherever applicable)

26.4.10 Electrical License (if required)

26.4.11 Dismantling of Temp Structure, Disconnection of Water/Elect. & Clearance of Charges.

Note: - Certificates not applicable to a particular work will be certified by the MIC.

26.4.12 Anti-Profitteering Declaration Format.

26.4.13 As per Rule-47 of GST Act, time limit for issuing Tax Invoice is 30 days from the date of Supply of Service. Therefore RA/Final Bill must be submitted within 15 days from the end of the billing period. Any delay more than 30 days from Completion of Work will be considered as a failure in contractual terms and the contract may be closed ex-parte on the basis of certification of measurement and amount payable/recoverable considering all recoveries into account by the EIC/MIC. Decision of EIC/MIC shall be final & binding on the contractor. Besides above, the contractor may be treated as dormant or non-responsive and may affect assignment of further business to the vendor.

26.5 Party has to provide the copy of the Income Tax Return for each of the two previous Financial Years for which due date of filling of Income Tax Return has expired with self-certification is mandatory along with each GST Tax Invoice else suitable provisions of Act will be applicable.

26.6 Vendor / Party categorised / designated as "specified person" under Section 206AB of Income Tax Act, 1961 shall be liable for TDS at higher rate as provided under the said section, by NALCO. So, Vendors / Contractors are advised to submit self-certified copies of Income Tax return (ITR) for each of the Two Previous Years for which due date for filling of ITR has expired, along with the Invoice / Bill so as to facilitate NALCO, verify the applicability of Section 206AB.

27.0 PAYMENT TERMS:

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

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

28.0 PRICE VARIATION FOR LABOUR:

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

29.0 PRICE VARIATION FOR FUEL

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

30.0 DEFECT LIABILITY PERIOD (DLP):

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

30.2 DLP for SPECIALISED WORKS:

- | | | |
|--------|---|-----------|
| 30.2.1 | Water proofing (Below or above ground) and Roof treatment works | -10 YEARS |
| 30.2.2 | Post construction Anti-termite treatment | - 5 YEARS |
| 30.2.3 | Weather proof Paint works | - 4 YEARS |

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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.

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33.1.6 If the Firm is a confirmed evader of Central / State taxes/duties for which NALCO has received notice from the concerned department of Central / State Govt.

33.1.7 Misbehavior/ threatening of departmental supervisory staff during work execution.

33.1.8 Constant non-achievement of milestones on insufficient and imaginary grounds and non-adherence to quality specifications despite being pointed out.

33.1.9 Persistent & intentional violation of important conditions of contract.

33.1.10 Submission of false/ fabricated/ forged documents for consideration of a bid.

33.1.11 If declared bankrupt or insolvent.

33.2 Banning: In case where the conduct of the firm is not serious enough to merit blacklisting but removing the name from the registered vendors of NALCO is justified in the interest of the company, the firm/company shall be banned from doing business with NALCO for a period up to 3 years but not less than one year. The reasons for banning are listed below. This list is illustrative only and not exhaustive.

33.2.1 Any failure to execute the contract satisfactorily.

33.2.2 Offence except criminal, such as moral turpitude, fraud, theft, unlawful activities within the premises of the company (Plant or Township) by the contractor or their workmen.

33.2.3 Defaults such as failing in disbursements of wages of the workmen/contract labourers in time at least twice in a contract period.

33.2.4 Submission of false declaration / documents in the offer.

33.2.5 Misconduct / misbehavior of the contractor or any of the workers engaged by them.

33.2.6 Non-compliance of environment, safety and health requirements including use of proper PPEs.

33.3 Suspension of Business: Temporary Suspension of business may be ordered without any notice, where full enquiry into the allegation is pending and may entail the blacklisting of the firm/ party/ contractor, if the allegation is proved.

33.4 Delisting from Vendor List against all Contracts:

33.4.1 Party's performance is being evaluated through online assessment system by the respective Managers-in-Charges for the works being executed at site / at party's premises.

33.4.2 The assessment ratings are reviewed and the contractors are reminded for improvement in next assessment period if their performance rating is poor.

33.4.3 If two consecutive assessments of a contract are Very poor /Safety & Environmental requirements compliance is not O.K. / SA 8000:2008 Compliance is not OK, then the concerned Vendor will be delisted for one year for that particular job subject to approval by Competent Authority of NALCO and the vendor will be intimated through a letter.

33.4.4 The delisted Vendor may be re-enlisted upon the request of the Vendor on completion of the de-listment period and subsequent approval by Competent Authority of NALCO.

33.4.5 If any vendor is Black-listed / Banned by any units of NALCO, the Vendor will also be delisted.

33.4.6 In case the performance of the vendor is found to be unsatisfactory by the Manager-in-charge, the vendor may not be considered in future tender for similar jobs.

33.5 Holiday List: In case the bidder does not participate in three consecutive bids, the bidder will be put under holiday list for a period of one year.

33.6 NALCO will issue show-cause notice giving 15 days' time to the contractor to respond the same in cases of debarring/ blacklisting/ banning/ suspension of business with the party.

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

34.0 TERMINATION OF CONTRACT:

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- 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 incase 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:

37.1 Mandatory guidelines for saving any form of energy:-

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

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

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

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

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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.

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- 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.

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PPE MATRIX (CPP PLANT)

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

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

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

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

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

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CPP/T&C/GeM-275/MC-5554/NTT/2025/432

ANNEXURE-A4

CORPORATE ENVIRONMENTAL POLICY

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

Objectives

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

Commitment

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

Sd.

Place: Bhubaneswar

Chairman-cum-Managing Director

Date: 30.09.2020

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

TENDER No.:
CPP/T&C/GeM-275/MC-5554/NTT/2025/432

ANNEXURE-A5



National Aluminium Company Limited

CIN: L27203OR1981GOI000920

OCCUPATIONAL HEALTH & SAFETY POLICY

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

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

Place: Bhubaneswar

Date: 30.09.2020

Sd/-

Chairman-cum-Managing Director

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

TENDER No.:
CPP/T&C/GeM-275/MC-5554/NTT/2025/432

QUALITY POLICY, GUIDING PRINCIPLES AND COMMITMENT

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

Guiding Principles:

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

Commitment

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

Place: Bhubaneswar

Date: 30.09.2020

Sd.

Chairman-cum-Managing Director

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

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

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ANNEXURE-A8

GENERAL GUIDELINE TO BIDDER ON REVERSE AUCTION (NOT APPLICABLE)

- a) The techno-commercially qualified bidders shall be eligible to participate in Reverse Auction Process. The price bids of techno-commercially qualified bidders shall be opened, as per schedule in the tendering portal (GeM).
- b) GeM system shall decide Start / Reference Price and Step Value of Decrement in case of RA based on product selection and / or outcome of bidding process.
- c) GeM normally requires 48 hrs for approval / rejection of the product / service offered by Sellers before it is listed on the portal.
- d) RA in Bid to RA case, where the bid offer validity is less than 30 days, will be extended to 30 days including the RA initiation date.
- e) In case of Services bids, if the multiple L-1 bidders have quoted the lowest allowed price for that service, Buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
- f) Against any bidding or RA conducted on GeM, if a bidder quotes Nil Charges / consideration, the bid shall be treated as non-responsive and will not be considered.
- g) In case of RA, Start / Reference Price and Step Value of Decrement shall be indicated to the Bidders at the start of the auction. Any participating bidder can bid one or multiple Step Decrement lower than the prevailing Lowest Bid at that time.
- h) The Bidder shall be able to view Bid Start Price, Bid Decrement Value, Prevailing Lowest Bid value and last Bid Placed by him. Whenever a lower price bid is received in the closing moment i.e. within 15 minutes of existing end time of Reverse Auction, the end time of reverse auction shall be extended automatically by another 15 minutes. All participant sellers of that RA shall be allowed to submit revised bid under the RA. The same process shall be repeated, if there is another lower bid received in the RA during last 15 minutes of RA.
- i) 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.
- j) 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.
- k) There are two options for elimination in Reverse auction in the GeM portal (i) **Bid to RA with 50% elimination rule** (ii) **Bid to RA with H-1 elimination rule**. The buyer shall select one option applicable for the tender, which will be mentioned in the tender.

(i) **Bid to RA with 50% elimination rule:** Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all without any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round.

(ii) **Bid to RA with H-1 elimination rule:** Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However H-1 will be allowed to participate in RA - (a) If number of technically qualified bidders are only 2 or 3, (b) If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.

l). Bidders at their own interest should ensure uninterrupted internet connectivity at their end during the reverse auction with necessary backups to take care of any connectivity problem. In order to have trouble-free elementary level reverse auction process, NALCO reserves the right to make any changes, as deemed fit.

m). Other relevant parameters shall be displayed in the GeM Portal reverse auction window. GeM Portal Server time shall be the basis of Start time & Closing time for bidding and shall be binding for all. The bidders to participate in tender-cum-auction process in GeM Portal, has to log into GeM Portal (i.e. <https://gem.gov.in/>)) to access the application and quote from their own offices/place of their choice.

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

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Designation - Kirti Khaira, Sr.Manager (E&I)
Tender Inviting Authority
Tender & Contract Dept., CPP
Ph. No. **9437563713**
Email: **kirti.khaira@nalcoindia.co.in**

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

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ANNEXURE A9

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

- 1.0 The bidders are requested to go through the GoI Order No: P-45021/2/2017-PP(BE-II), DTD: 16.09.2020 for the purpose of Purchase Preference on the basis of Local Content and submit the Declaration by the Bidder accordingly.
- 2.0 For the purpose of this order dtd. 16.09.2020:-
- 2.1 Local content means the **amount of value added in India** which shall, unless otherwise prescribed by the nodal ministry, **be the total value of the item procured** (excluding net domestic indirect taxes) **minus the value of imported content in the item** (including all customs duties) **as a proportion of the total value, in percent.**
- 2.2 Class I local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 50%, as defined at cl. 2.1 above.
- 2.3 Class II local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content equal to or more than 20% but less than 50%, as defined at cl. 2.1 above.
- 2.4 Non-local supplier means a supplier or service provider whose goods, services or works offered for procurement has local content less than 20%, as defined at cl. 2.1 above.
- 2.5 '**Margin of purchase preference**' means the maximum extent to which the price quoted by a "Class-I Local supplier" may be above the L1 for the purpose of purchase preference. The margin of purchase preference shall be 20% against the tender.
- 3.0 Subject to the provisions of the above order and to any specific instructions issued by the Nodal Ministry or in pursuance of this order, purchase preference shall be given to 'Class-I Local supplier' in procurement undertaken by procurement entities in the manner specified here under:-
CASE-I (FOR DIVISIBLE QUANTITY): All the provisions of the order No.P-45021/2/2017-PP(BE-II) dtd. 16.09.2020 shall be applicable for this tender towards purchase preference. However, in case of participation by MSE & ancillary units, the tender quantity reserved for MSE & ancillary units as per purchase preference policy of NALCO for MSEs as mentioned in the tender document shall take precedence over the purchase preference against the above mentioned order (to be mentioned, if applicable).
- 4.1 In the procurement of goods or works which are divisible in nature, the 'Class-I Local Supplier' shall get purchase preference over 'Class-II local supplier' as per the following procedure:
 - a) Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract of full quantity will be awarded to L1.
 - b) If L1 bid is not a 'Class I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to Class-I local supplier's quoted price falling within the margin of purchase preference and contract for that quantity shall be awarded to such 'Class-I Local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I Local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I Local supplier', within the margin of purchase preference shall be invited to match the L1 price for the remaining quantity and so on and the contract shall be awarded accordingly. In case some quantity is still left uncovered on 'Class-I Local supplier', then such balance quantity may also be ordered on the L1 bidder.
- 4.2 'Class-II local supplier' will not get purchase preference in any procurement undertaken by procuring entities.

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

- 4.3 In the procurement of goods or works which are not divisible in nature, the 'Class-I Local Supplier' shall get purchase preference over 'Class-II local supplier' as per the following procedure:
- Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
 - If L1 bid is not a 'Class I local supplier', the lowest bidder among the 'Class I Local supplier' will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference and contract shall be awarded to such 'Class-I Local supplier' subject to matching the L1 price.
 - In case such lowest eligible 'Class-I Local supplier' fails to match the L1 price, 'Class-I Local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I Local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- 4.4 'Class-II local supplier' will not get purchase preference in any procurement undertaken by procuring entities.
- 5.0 **Verification of local content.**
- 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.**
 - 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.
 - 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,
Captive Power Plant
Dist.-Angul, Odisha-759145

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

Tender Ref. No:

Dear Sir,

We, M/s. _____ having its office at _____ (address)
hereby confirm that the offered product has _____% of the local content.

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

Yours sincerely,

Signature

Name:

Designation:

Contact No.:

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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;

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- 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.

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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

10.3.2	Fuel escalation against change in Fuel Price	Not applicable. (Ref clause-29.0 of Annexure-A1)
10.4	HRD clearance	Applicable. (Ref clause 17,18, 19 of Annexure-A1)
10.5	PF & ESI	Applicable. (Ref clause 2.2.3 ,31.7 of Annexure-A1)
11	Type of Contract under GST & Applicability of GST & ITC on GST	Applicable as per CGST/ SGST/ UTGST & IGST (Ref Clause No.25 of Annexure-A1)
12	Service Accounting Code (SAC) of the contract/Harmonized system of nomenclature (HSN) code	Applicable.(SAC NO-998631) (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-01 No./S.W-02 Nos./ S.S.W- 03 Nos./ U.S.W- 10 Nos.
16	Integrity Pact	Applicable
17	Declaration by Bidder for Implementation of Integrity (ANNEXURE-C32)	Not applicable
18	Security Deposit	Applicable (Applicable as per Clause No.24.0 of Annexure-A1 of NIT)
19	Details of Present / Concurrent Commitment (ANNEXURE-C8)	NOT APPLICABLE

IMPORTANT POINTS TO BE NOTED FOR SUBMISSION OF BID

20	The tender document should be digitally signed / physically signed , before online submission.
21	Correction & over writings are not permissible. Any corrections should be signed with date by the person, signing the tender document.
22	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.
23	All the supporting documents (Issued by other agency/third party) submitted with the offer should be attested by a gazetted officer or Notary Public.
24	The bidder has to submit the 'Necessary Forms/ annexures as per NIT which are to be downloaded, filled up and self signed by bidder before uploading.
25	Pre Contract Integrity Pact at <u>Annexure-C21</u> must be filled up, along with sign & seal of the bidder and signature of two witnesses on the last page and uploaded online along with the offer.
26	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.
27	Scanned copy of EMD amount is to be submitted along with online tendering. However, the original Draft instrument of EMD amount and a Cancelled Cheque should also be submitted to CPP Contract cell, so as to reach the Tender Inviting Authority, before the tender opening date and time. NALCO is not responsible for missing or delay in receiving those monetary instruments & documents.
28	For reverse auction, Bid Decremental Value & Maximum Seal Percentage shall be uploaded in GeM keeping in view the L-1 price. In order to have trouble –free elementary level reverse auction process, NALCO reserves the right to make any changes, as deemed fit. (NOT APPLICABLE)

Kirti Khaira
Tender Inviting Authority
Tender & Contract Dept., CPP

SUB: RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS

AGENCIES INTENDING TO PARTICIPATE SHALL FULFILL THE FOLLOWING MINIMUM PRE-QUALIFICATION CRTERIA (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 "<i>Similar Work</i>" 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 ` 23.78 lakhs (Rupees Twenty three lakh seventy eight thousand only). OR ii. Two similar completed/partially completed works each (with above criteria) having executed value not less than Rs. 29.73 lakhs (Rupees Twenty nine lakh seventy three thousand only). OR iii. One similar completed/partially completed work (with above criteria) having executed value not less than ` Rs. 47.57 lakhs (Rupees Forty seven lakh fifty seven 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) 1. “Similar Work” means “<i>Maintenance of HT & LT Electrical Systems.</i>” Partially completed work in progress (not abandoned) shall be considered. The bidder should possess a valid & up-to date HT Electrical Contractor’s License issued/endorsed by ELBO (Electrical Licensing Board of Odisha).	1. The bidder should submit copy of following documents duly attested by a notary public or Gazetted officer. a) Work Order with value alongwith Amendment ,if any , Scope of Work & Bill of quantity for assessment of Experience Criteria. b) 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. 2. 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 gazette officer: a) Detailed work order / PO / Agreement from the main agency. b) Completion certificate issued by main agency indicating the value of work executed & period of contract. c) Completion certificate issued by the Principal / project authorities in favour of the main agency showing due completion of the package. 3. In case of partially completed works the party has to submit the part completion certificate indicating the value of work completed and the performance/progress of the bidder should be satisfactory. 4. Proof of valid & up-to date HT Electrical Contractor’s License issued/endorsed by ELBO (Electrical Licensing Board of Odisha) shall be submitted along with the offer. 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.

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 Tender Inviting Authority
 Tender & Contract Dept., CPP

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ANNEXURE-B2

SCOPE OF WORK

SUB: RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS

1. 6.6KV /11KV cable laying on tray Up to 52mm dia.

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

2. 6.6KV /11KV cable laying on tray above 52mm up to 90mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

3. 6.6kv/1.1kvCable laying below ground level Up to 52mm dia.

For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

4. 6.6kv/1.1kvCable laying below ground level above 52mm up to 90mm

For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

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5. 6.6KV /11KV cable dismantling from ground. Up to 52mm dia.

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

6. 6.6KV /11KV cable dismantling from ground. Above 52mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

7. Dismantling of 6.6KV/11KV cable from underground. Up to 70mm dia.

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The cable trench has to be filled up after dismantling. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

8. Dismantling of 6.6KV/11KV cable from underground. Above 70mm up to 90mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The cable trench has to be filled up after dismantling. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

9. 6.6KV /11KV cable dismantling & re-laying. Up to 52mm dia.

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

10. 6.6KV /11KV cable dismantling & re-laying. Above 52mm up to 70mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

11. 6.6KV /11KV cable dismantling & re-laying. Above 70mm up to 90mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes

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identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

12. Dismantling of 6.6KV/11KV cable. Up to 52mm dia.

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

13. Dismantling of 6.6KV/11KV cable. Above 52mm up to 90mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

14. 1.1KV power cable laying for 1/2/3/3.5/4 core cable Up to 23mm dia.

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

15. 1.1KV power cable laying for 1/2/3/3.5/4 core cable Above 23 mm up to 45mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

16. 1.1KV power cable laying for 1/2/3/3.5/4 core cable above 45mm up to 72mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

17. 1.1KV cable dismantling & re-laying for 1/2/3/3.5/4 core cable up to 23mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

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18. 1.1KV cable dismantling & re-laying for 1/2/3/3.5/4 core cable above 23mm up to 34 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

19. 1.1KV cable dismantling & re-laying for 1/2/3/3.5/4 core cable above 34mm up to 45 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

20. 1.1KV cable dismantling & re-laying for 1/2/3/3.5/4 core cable above 45 mm up to 72 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

21. Dismantling of 1.1KV cable up to 23mm dia.

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

22. Dismantling of 1.1KV cable Above 23 mm up to 35 mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

23. Dismantling of 1.1KV cable Above 35 mm up to 70 mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

24. 1.1KV cable laying on tray. Up to 16mm dia.

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the

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clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

25. 1.1KV cable laying on tray. From 16.1 mm up to 23 mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

26. 1.1KV cable laying on tray. From 23.1 mm up to 32 mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

27. 1.1KV cable laying on tray. From 32.1 mm up to 42 mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

28. 1.1kv control cable dismantling & re-laying. Up to 16mm dia.

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

29. 1.1kv control cable dismantling & re-laying. From 16.1 mm up to 23 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes

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identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

30. 1.1kv control cable dismantling & re-laying. From 23.1 mm up to 42 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid as per the direction of MIC. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

31. Cable laying below ground level. Up to 52 mm

For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

32. Cable laying below ground level. Above 52 mm up to 72 mm

For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

33. Power cable dismantling from underground and re-laying. Up to 34 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid in the same route or in a different route as per the direction of MIC. For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

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34. Power cable dismantling from underground and re-laying. From 34 mm Up to 72 mm

Safely dismantling of cable has to be carried out. The same cable has to be re-laid in the same route or in a different route as per the direction of MIC. For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

35. Cable laying for mobile equipment. (A) For stacker reclaimer. Laying of 6.6 KV trailing cable, 4cx50sq.mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable on the ground surface and rolled the cable in Cable Rolling Drum (CRD) and carry out necessary clamping and dressing in CRD. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

36. Cable laying for mobile equipment. (A) Laying of 1.1KV trailing cable 24cx2.5sq.mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable on the ground surface and rolled the cable in Cable Rolling Drum (CRD) and carry out necessary clamping and dressing in CRD. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

37. Cable laying for mobile equipment. (A) For stacker reclaimer. For 6.6 KV trailing cable (removal) 4cx50sq.mm

Safely removal of cable from CRD has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

38. Cable laying for mobile equipment. (A) For stacker reclaimer. 1.1KV trailing cable (removal) 24cx2.5sq.mm

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable on the ground surface and rolled the cable in Cable Rolling Drum (CRD) and carry out necessary clamping and dressing in CRD. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

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39. Cable laying for mobile equipment. (B) For plough feeder. 1.1KV trailing cable laying

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable on the ground surface and rolled the cable in Cable Rolling Drum (CRD) and carry out necessary clamping and dressing in CRD. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

40. Cable laying for mobile equipment. (B) For plough feeder. 1.1KV cable removal

Safely removal of cable from CRD has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

41. Cable laying for mobile equipment. (C) For tripper. 1.1KV cable laying

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable on the ground surface and rolled the cable in Cable Rolling Drum (CRD) and carry out necessary clamping and dressing in CRD. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the

Cable and making the connection. The testing equipment used for the job should have valid calibration certification.

42. Cable laying for mobile equipment. (C) For tripper. 1.1KV cable removal

Safely removal of cable from CRD has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

43. Cable laying for mobile equipment. (C) For tripper. Termination with supply

The gland and socket required for termination to be supplied by contractor. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose

44. Cable laying for mobile equipment. (C) For tripper. Termination without supply

The gland and socket required for termination to be supplied by NALCO. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose

45. End termination of XLPE cable with supply. 1c x 630 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contractor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all

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other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

46. End termination of XLPE cable with supply. 1c x300/400/500 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contactor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

47. End termination of XLPE cable with supply. 3c x 300 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contactor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

48. End termination of XLPE cable with supply. 3c x 400 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contactor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

49. End termination of XLPE cable with supply. 3c x 240 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contactor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

50. End termination of XLPE cable with supply. 3c x 185 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contactor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all

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other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

51. End termination of XLPE cable with supply. 4c x 50 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contractor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

52. End termination of XLPE cable without supply. 1c x 630 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

53. End termination of XLPE cable without supply. 1c x300/400/500 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

54. End termination of XLPE cable without supply. 3c x 300 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

55. End termination of XLPE cable without supply. 3c x 400 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

56. End termination of XLPE cable without supply. 3c x 240 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all

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other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

57. End termination of XLPE cable without supply. 3c x 185 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

58. End termination of XLPE cable without supply. 4c x 50 Sq.mm

The terminations are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

59. St.through jointing of 6.6 kV cable. With supply of materials. 3c x185 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

60. St.through jointing of 6.6 kV cable. With supply of materials. 3c x 300 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

61. St.through jointing of 6.6 kV cable. With supply of materials. 3c x 240 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed

Company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

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62. St.through jointing of 6.6 kV cable. With supply of materials. 1cx300/400/500 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

63. St.through jointing of 6.6 kV cable. With supply of materials. 3c x 400 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

64. St.through jointing of 6.6 kV cable. With supply of materials. 1c x 630 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by contractor. The jointing kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

65. St.through jointing of 6.6 kV cable. Without supply of materials. 3c x185 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

66. St.through jointing of 6.6 kV cable. Without supply of materials. 3cx 240 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

67. St.through jointing of 6.6 kV cable. Without supply of materials. 3cx 240 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by

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NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

68. St.through jointing of 6.6 kV cable. Without supply of materials. 3cx 400 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

69. St.through jointing of 6.6 kV cable. Without supply of materials. 1cx300/400/500 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

70. St.through jointing of 6.6 kV cable. Without supply of materials. 1cx 630 Sq.mm

The cable jointing are to be done on XLPE 6.6/11 KV cables both indoor & outdoor applications where ever necessary. The contractor should deploy experienced persons to carry out jointing jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The jointing kits shall be of heat shrinkable type. The jointing kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

71. End termination of LT cable with supply of all materials. For 1/2/3/3.5/4 core cable. Up to 23mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

72. End termination of LT cable with supply of all materials. For 1/2/3/3.5/4 core cable. Above 23mm up to 34mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

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73. End termination of LT cable with supply of all materials. For 1/2/3/3.5/4 core cable. Above 34mm up to 45mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

74. End termination of LT cable with supply of all materials. For 1/2/3/3.5/4 core cable. Above 45 mm up to 72 mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

75. End termination of LT cable without supply of all materials. For 1/2/3/3.5/4 core cable. Up to 23mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

76. End termination of LT cable without supply of all materials. For 1/2/3/3.5/4 core cable. Above 23mm up to 34mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

77. End termination of LT cable without supply of all materials. For 1/2/3/3.5/4 core cable. Above 34mm up to 72mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

78. End termination of LT cable without supply of all material excluding cost of gland for 1/2/3/3.5/4 core cable. Up to 23mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

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79. End termination of LT cable without supply of all materials. Excluding cost of gland for 1/2/3/3.5/4 core cable. Above 23mm up to 34mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO except gland. The old gland will be reused. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

80. End termination of LT cable without supply of all materials. Excluding cost of gland for 1/2/3/3.5/4 core cable. Above 34mm up to 45mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO except gland. The old gland will be reused. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

81. End termination of LT cable without supply of all materials. Excluding cost of gland for 1/2/3/3.5/4 core cable. Above 45 mm up to 72 mm

The terminations are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO except gland. The old gland will be reused. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

82. Opening of connection and resocketing. For 1/2/3/3.5/4 core cable. Up to 23mm

The opening of connection and resocketing are to be done on both indoor & outdoor type 1.1KV grade power cables. The socket will be provided by contractor. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

83. Opening of connection and resocketing. For 1/2/3/3.5/4 core cable. Above 23mm up to 40mm

The opening of connection and resocketing are to be done on both indoor & outdoor type 1.1KV grade power cables. The socket will be provided by contractor. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

84. Opening of connection and resocketing. For 1/2/3/3.5/4 core cable. Above 40mm up to 55mm

The opening of connection and resocketing are to be done on both indoor & outdoor type 1.1KV grade power cables. The socket will be provided by contractor. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

85. Opening of connection and re-socketing without material. For 1/2/3/3.5/4 core cable. Up to 23mm

The opening of connection and resocketing are to be done on both indoor & outdoor type 1.1KV grade power cables. The socket will be provided by NALCO. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do

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the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

86. Opening of connection and re-socketing without material. For 1/2/3/3.5/4 core cable. Above 23mm up to 55mm

The opening of connection and resocketing are to be done on both indoor & outdoor type 1.1KV grade power cables. The socket will be provided by NALCO. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

87. End termination of control cable with supply of material. Above 10 mm up to 22 mm

The terminations are to be done on control cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

88. End termination of control cable with supply of material. Above 22mm upto 31mm

The terminations are to be done on control cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

89. End termination of control cable with supply of material. Above 31mm upto 42mm

The terminations are to be done on control cables. The contractor has to use reputed make double compression glands. The Engineer-in-charge shall check the quality of the glands, crimping sockets and PVC tapes and other insulating tapes used for end terminations. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contractor is found to tamper with the quality of the materials and workmanship, the contractor shall be liable to re-do the entire jointing/termination for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

90. End termination of control cable without materials. Above 10 mm Up to 22 mm

The terminations are to be done on control cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

91. End termination of control cable without materials. Above 22mm Up to 42mm

The terminations are to be done on control cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials &

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consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**92. End termination of control cable except cost of gland. Above 10 mm
Up to 22 mm**

The terminations are to be done on control cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**93. End termination of control cable except cost of gland. Above 22mm Up to
31mm**

The terminations are to be done on control cables. All materials to be supplied by NALCO except gland. The old gland will be reused. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

94. End termination of control cable except cost of gland. Above 31mm Up to 42mm

The terminations are to be done on control cables. All materials to be supplied by NALCO except gland. The old gland will be reused. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**95. Opening of connection and resocketing with supply of sockets. Up to
23 mm**

The opening of connection and resocketing are to be done on control cables. The socket will be provided by contactor. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contactor is found to tamper with the quality of the materials and workmanship, the contactor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**96. Opening of connection and resocketing with supply of sockets. Above
23mm upto 42mm**

The opening of connection and resocketing are to be done on control cables. The socket will be provided by contactor. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contactor is found to tamper with the quality of the materials and workmanship, the contactor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

97. Opening of connection and resocketing without supply. Up to 23 mm

The opening of connection and resocketing are to be done on control cables. The socket will be provided by NALCO. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contactor is found to tamper with the quality of the materials and workmanship, the contactor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

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**98. Opening of connection and resocketing without supply. Above 23mm
Up to 42mm**

The opening of connection and resocketing are to be done on control cables. The socket will be provided by NALCO. The contactor shall have to use only those materials that are accepted by the Engineer-in-charge. In case, the contactor is found to tamper with the quality of the materials and workmanship, the contactor shall be liable to re-do the entire work for which no additional claims are admissible. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

99. St.through joints (1.1KV) with supply of materials. Up to 27 mm

The cable jointing are to be done on 1.1KV grade power cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**100. St.through joints (1.1KV) with supply of materials. From 27.1mm upto
40mm**

The cable jointing are to be done on 1.1KV grade power cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**101. St.through joints (1.1KV) with supply of materials. From 49.1mm upto
57mm**

The cable jointing are to be done on 1.1KV grade power cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**102. St.through joints (1.1KV) with supply of materials. From 49.1mm upto
57mm**

The cable jointing are to be done on 1.1KV grade power cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

103. St.through joints (1.1KV) with supply of materials. Above 57 mm

The cable jointing are to be done on 1.1KV grade power cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

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104. St.through joints (1.1KV) without supply of materials. Up to 27 mm

The cable jointing are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**105. St.through joints (1.1KV) without supply of materials. From 27.1mm
Up to 49mm**

The cable jointing are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

**106. St.through joints (1.1KV) without supply of materials. From 49.1mm
Up to 57mm**

The cable jointing are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

107. St.through joints (1.1KV) without supply of materials. Above 57 mm

The cable jointing are to be done on both indoor & outdoor type 1.1KV grade power cables. All materials to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

108. St.through jointing of control cables with supply of all materials. S II

The cable jointing are to be done on control cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

109. St.through jointing of control cables with supply of all materials. S III

The cable jointing are to be done on control cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

110. St.through jointing of control cables with supply of all materials. S-IV

The cable jointing are to be done on control cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

111. St.through jointing of control cables with supply of all materials. S-V

The cable jointing are to be done on control cables. the contactor should use M-seal or equivalent cable jointing kits having required quantity of cable jointing compound, hardener, plastic mould adhesive-cum-solvent, epoxy putty, earth continuity connection, spacers, PVC tape, suitable Dowell's or equivalent make crimping sockets. The contractor has to arrange the crimping tools of

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required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

112. Earthing Equipments with supply of matls. GI stripe 50 X 6 mm

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Stripe) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

113. Earthing Equipments with supply of matls. GI stripe 25 X 3 mm

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Stripe) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

114. Earthing Equipments with supply of matls. GI stripe 25 X 6 mm

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Stripe) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

115. Earthing Equipments with supply of matls. GI wire 8 SWG

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Wire) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

116. Earthing Equipment with supply of matls. GI wire 6 SWG

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Wire) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

117. Earthing Equipment with supply of matls. Flexible 6 SWG

Laying of earthing strip to be done by contactor. Contractor has to supply the material (GI Wire) with exact dimensions as per specifications. All the other equipment, tools need for above work to be arranged by contactor.

118. Handling of cable drums from CPP stores to work spot.

The payments for handling/transportation of cables shall be evaluated on the basis of actual weight of cables/from the indicated table for handling purpose in annexure-II as decided by MIC. The contractor has to make arrangements for the transportation of cable drum from central store to the work site inside plant premises. After completion of the job balance cable drum is to be returned to central store and dispose of the empty cable drums is in the scope of the contractor.

119. Fabrication of cable trays with supply of all materials.

For fabrication of cable trays, the material required for fabrication and all the materials required for welding, drilling, cutting to be arranged by contractor.

120. Fabrication of cable trays without supply of all materials.

For fabrication of cable trays, the material required for fabrication and all the materials required for welding, drilling, cutting to be arranged by contractor.

121. Erection of cable trays.

For erection of cable trays with/without supply, party has to arrange all the allied materials such as nuts, bolts, washers, welding rods, gases and any other materials & consumables required at the time of execution of the job.

122. Brush painting inclusive of all materials.

In brush painting of panels, two coats of red oxide and two coats of synthetic enamel paints of approved shade and standard make to be done.

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123. Spray painting inclusive of all materials.

In Spray painting of panels, two coats of red oxide and two coats of synthetic enamel paints of approved shade and standard make to be done.

124. Fabrication of JB with supply of materials.

For fabrication of junction boxes, distribution boxes, and small feeder pillar boards with supply of material, the contractor has to arrange the necessary MS sheets, angles, channels, hardware etc. to carryout fabrication job as per drawing and instruction of the engineer-in-charge. Painting is to be done with two coats of red oxide and two coats of epoxy paint of approved shade.

125. Fabrication of JB without supply of materials.

For fabrication of junction boxes, distribution boxes, and small feeder pillar boards without supply of material. to carryout fabrication job as per drawing and instruction of the engineer-in-charge. Painting is to be done with two coats of red oxide and two coats of epoxy paint of approved shade.

126. Erection of JB with materials

For erection of junction boxes, distribution boxes, and small feeder pillar boards with supply of material, the contractor has to arrange the necessary MS sheets, angles, channels, hardware etc. to carryout erection job as per drawing and instruction of the engineer-in-charge. Painting is to be done with two coats of red oxide and two coats of epoxy paint of approved shade. The JB/DB shall be erected on angle supports as per drawing to be made available by Manager-in-charge. Before application of paints on any surface, removal of dust/grease/oil shall be ensured by using wire-brush or cleaning agents as per requirement.

127. Erection of main switch without materials Up to 63 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel for erection work to be provided by NALCO. Welding materials to be provided by contractor.

128. Erection of main switch without materials Above 63 Amp below 300 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel for erection work to be provided by NALCO. Welding materials to be provided by contractor

129. Erection of main switch without materials Above 300 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel for erection work to be provided by NALCO. Welding materials to be provided by contractor

130. Erection of main switch with materials Up to 63 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel and welding materials to be provided by contractor.

131. Erection of main switch with materials Above 63 Amp below 300 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel and welding materials to be provided by contractor.

132. Erection of main switch with materials Above 300 Amp.

The main switch will be provided by NALCO. Materials such as angle, flat, channel and welding materials to be provided by contractor.

133. Cleaning & Maint. Of LT boards.

The external of the boards is to be cleaned by motor driven portable air blower. The panel exteriors are to be opened and individual modules are to be drawn out and kept separately. The insulated partitions of bus bar dropper portions of individual modules are to be removed and kept separately. The panel internals including bus bars, bus droppers etc are to be thoroughly cleaned by air blower and markin cloth. The bus support insulators are to be thoroughly cleaned by cleaning agent and markin cloth. The bus bar joint tightness checking, cable termination tightness checking is to be done by correct size spanner. The modules and the insulated partitions of the bus droppers are to be

cleaned by air blower and markin cloth and petroleum jelly is to be applied in the lyra contacts of the modules. All the insulated partitions of the bus bar droppers are to clamp properly in the respective module cubicles. All the modules are to be inserted and racked in properly in the respective cubicle. All the panel covers and the bus covers are to be closed and tightened properly to box up the board. Any module door cover or panel door cover not closing properly is to be repaired by the contractor. The bus is to be meggered with 1KV megger after completion of the job to ensure healthiness of the bus. Wherever necessary only petroleum jelly will be supplied by NALCO free of cost. All other consumables such as markin cloth, cleaning agents, motor driven air blowers, sundry hardware and all the tools, tackles and instruments to complete the job are to be arranged by the contractor.

415 Volt BACP MCC of Unit-5	0.5 Number	As Per PM Schedule/During annual overhauling of Unit/ During short shutdown of Unit.
415 Volt BACP MCC of Unit-6	0.5 Number	As Per PM Schedule/During annual overhauling of Unit/ During short shutdown of Unit.
ASPH-1 220 Volt DCDB	1 Number	As Per PM Schedule
415 Volt WTP PCC Sec-A	1 Number	As Per PM Schedule
415 Volt WTP PCC Sec-B	1 Number	As Per PM Schedule
415 Volt DM MCC Sec-A	1 Number	As Per PM Schedule
415 Volt DM MCC Sec-B	1 Number	As Per PM Schedule
415 Volt DM SUB MCC	0.5 Number	As Per PM Schedule
220 Volt DCDB at DM plant	1 Number	As Per PM Schedule
415 Volt Clarified Water MCC	1 Number	As Per PM Schedule
415 Volt Filter Water MCC	1 Number	As Per PM Schedule
415 Volt Valve MCC	1 Number	As Per PM Schedule
Chemical House MCC Sec-A	1 Number	As Per PM Schedule
Chemical House MCC Sec-B	1 Number	As Per PM Schedule
CLP PMCC Sec-A	0.5 Number	As Per PM Schedule
CLP PMCC Sec-B	0.5 Number	As Per PM Schedule
IDWRS MCC	0.5 Number	As Per PM Schedule
CLPH Aux. MCC	0.5 Number	As Per PM Schedule
STP MCC	0.5 Number	As Per PM Schedule
CLPH ACDB	0.5 Number	As Per PM Schedule
Pre Treatment Plant MCC Sec-A	0.5 Number	As Per PM Schedule
Pre Treatment Plant MCC Sec-B	0.5 Number	As Per PM Schedule
Exit Point MCC	0.5 Number	As Per PM Schedule

134. Assistance in cleaning of HT boards.

A gang of one SSW and five USW are to be deployed for a day each by the contractor for assisting the switchgear maintenance personnel in the maintenance of HT board. All necessary tools and tackles required to open and box up the boards, required markin cloth of NALCO standard, cleaning agents, 5KV Megger, multi meter etc are to be arranged by the contractor.

Thorough cleaning of the exterior of the boards.

Opening of the panel doors and removal of the individual modules.

Removal of the insulated partitions of bus bar dropper portions.

Thorough cleaning of the panel internals including bus bars, bus droppers.

Thorough cleaning of the bus support insulators.

Ensuring tightness of bus bar joint, cable termination.

Thorough cleaning of the modules.

Thorough cleaning of the insulated partitions of the bus droppers.

Clamping of the insulated partitions of the bus bar droppers in the respective cubicles.

Insertion of the trolleys and racking in in the respective cubicle.

Closing of all panel covers and bus covers.

Ensuring tightness of covers for boxing up the board.

Repair of cubicle /panel door cover if not closing.

Meggering with 5KV megger to ensure healthiness of the bus.

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HT Boards to be maintained		
Name of The HT Board	Number of HT Board	Frequency
Unit Board - 1BA,2BA,3BA,4BA,5BA,6BA	6 number	During annual overhauling or short shutdown of units.
Unit Board- 1BB,2BB,3BB,4BB,5BB,6BB	6 Number	During annual overhauling or short shutdown of units.
Station Switchgear Board- 9BA,9BB	2 Number	As Per PM Schedule
CWPH HT Switchgear Sec- A	1Number	As Per PM Schedule
CWPH HT Switchgear Sec- B	1Number	As Per PM Schedule
CWPH HT Switchgear Sec- C	1Number	As Per PM Schedule
ASPH-1 HT Board Sec-A	1 Number	As Per PM Schedule
ASPH-1 HT Board Sec-B	1 Number	As Per PM Schedule
ASPH-1 HT Board Sec-C	1 Number	As Per PM Schedule
ASPH-3 HT Board Sec-A	1 Number	As Per PM Schedule
ASPH-3 HT Board Sec-B	1 Number	As Per PM Schedule

135. Cleaning & Maint. of LCC.

- i) The LCC covers are to be opened and LCC internals are to be thoroughly cleaned and de-dusted with air blower, markin cloth and cleaning agents. The control and power cables are to be checked for tightness. The cables are to be re-terminated if required with proper size crimping tool and lugs. Check for proper operation of isolators, local/remote selector switches and push buttons with multimeter. Lock of L/R selector switches if any is to be removed and the operation to be made free so that the L/R selector switches can be operated without the key. Put back the cover after maintenance and close it properly after providing gaskets and proper size nut & bolts. Markin cloth, sundry hardware's, PVC tapes etc are to be supplied by the contractor free of cost. Cable lugs, cleaning agents etc will be supplied by NALCO free of cost.
- ii) While servicing, if any isolator is found damaged the same is to be replaced as per direction of Manager-in-charge. Control and power cable relugging and retermination, if required, is to be done with proper size lugs and crimping tools. Test the isolator with multimeter for proper operation. The isolator and cable lugs will be provided by NALCO free of cost.
- iii) The damaged push buttons, L/R selector switches, handles, knobs etc are to be replaced with new one as per direction of Manager-in-charge. (The PB, local remote selector switches, knobs and handles will be supplied by NALCO free of cost.)

136. Replacement of isolator.

Replace the isolator of any LCC. The isolator has to be provided by NALCO. All the equipment and tools required for the above job to be provided by contractor.

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137. Replacement of Push Button.

Replace the Push Button of any LCC. The Push Button has to be provided by NALCO. All the equipment and tools required for the above job to be provided by contractor.

138. Preventive maintenance of soot blowers.

- a. The LCC covers are to be opened and LCC internals are to be thoroughly cleaned with air blower, markin cloth and cleaning agents.
- b. The control and power cables are to be checked for tightness at JB and motor end. The cables are to be re-terminated if required with proper size crimping tool and lugs. The cable lugs will be supplied by NALCO
- c. The JB cover and motor TB are to be put back and close it properly after placing gaskets. If the gasket is found damaged, new gasket to be replaced which will be provided by NALCO free of cost.
- d. The L/S are to be cleaned properly and the spring mechanism to be checked for healthiness. The lever of L/S if found bend, it is to be made straight. Any looseness in mounting to be made o.k. The defective L/S is to be replaced, which will be provided by NALCO during PM activity.
- e. The split cam is to be checked for tightness. If it cannot be fixed properly, it is to be reported to manager in charge for replacement.
- f. The cable entry gland is to be tightened and closed properly by applying putty wherever necessary. Putty will be provided by NALCO
- g. The soot blowers traverse & rotary motor healthiness are to be checked from module end. If any abnormality found on cable termination, the defect has to be attended. If the defect is found on motor, it has to be reported to manager in charge.
- h. Maintenance of Soot blower MCC: Checking of TOLR, contactors, power & control fuses, terminal tightness, cleaning of modules etc. If any contactor is found to be not dropping immediately after power is cutoff, it is to be opened and cleaned. If any defect is observed, it is to be attended immediately. Any spares required will be provided by NALCO.
- i. Any oil leakage from soot blower gearbox to be reported to manager in charge. The oil leakage will be reported to M/M for rectification.
- j. Any defect pertaining to PM Job found later, contractor has to do it free of costs.
- k. All the above activities to be followed during regular maintenance as well as During annual over-hauling jobs including soot blower MCC maintenance, Payment shall be made as per the rate of item no: 138.

139. Cleaning of ESP insulators.

There were three passes in ESP and there are around 30 nos. of shaft and support insulators in each pass. The covers of all shaft and support insulators are to be opened and the insulators are to be thoroughly cleaned with markin cloth and cleaning agent to make them dust and oil free. The cleaned insulators are to be checked thoroughly for any cracks or any other damage. The boxing up of the insulator housing is to be done after inspection by engineer in charge. After cleaning of insulators the cover are to be placed over the housing properly. Cleaning agent, markin cloth, consumables and necessary tools and tackles are to be arranged by the contractor.

140. Cleaning of DSL insulators of EOT cranes.

(Working height: 25 mtrs)

Inspection of the support insulators and current collector insulators

Thorough Cleaning of DSL bus with markin cloth

Thorough cleaning of the bus support insulators with markin cloth & cleaning agent

141. Replacement of DSL insulators of EOT cranes.

(Working height: 25 mtrs)

Replacement of damaged support insulators are to be done with utmost care. The bus has to be properly supported before the damaged support insulator is removed from its position. Ensure that the system does not slide down. Replace with new support insulator and bolt/clamp it

properly and release the load from the temporary support. Megger the bus and ensure healthiness before giving clearance to the NALCO representative for inspection and acceptance of the work done. Workmen must wear safety belt while performing the above mentioned activity. All the tools and the tackles required to perform the job are to be arranged by the contractor.

142. Cleaning of cable trenches.

Cable trenches are located in the ground floor of the power house from U#1 to 6 including GT/UT area, boiler, ID fan, ESP area FOPH, CWPB and AWPB. Cable trench covers are to be opened and the cables, cable trays and trenches are to be cleaned thoroughly. Any accumulations of debris, mud, fly ash or any other foreign material are to be removed and dumped in the designated place as per the direction of the Manager-in-charge. Care to be taken for not to damage any cable while this activity is being performed, as the cables will be in charged condition. The trench covers are to be put back after inspection and clearance by the manager-in-charge. All the tools and the tackles required to perform the job are to be arranged by the contractor.

143. Housekeeping of SWGR rooms.

The Switchgear rooms from U#01 to U#10 and cable spreader rooms from U#01 to U#06 are located in power house, DG room, DG PCC room, CWPB, AWPB, ASPB, DM plant etc. These areas are to be cleaned thoroughly by brooms for keeping the area neat and clean. The floor area and the roof area both are to be cleaned and remove the cobwebs if any. Any debris/ waste material lying in the rooms are to be disposed of in the designated place as per the instruction of Manager-in-charge. Brooms and other necessary tackles for execution of the job are to be arranged by the contractor. As per our monthly schedule, approximately 60000sq. mtr floor area has to be cleaned along with the removal of cobweb on regular basis. Payment will be made as per the floor area cleaned (no separate payment for cobweb cleaning). To carry out the above activities, the contractor is required to engage minimum 02(two) numbers of USW on regular basis.

144. Cleaning of cable trays in boiler & ESP area.

The cable tray in boiler and ESP area located in the boiler and ESP structural. The contractor shall clean the cable trays of boiler and ESP area during shut down of units. The whole job is to be completed within shutdown period or as per the direction of Manager-in-charge. These trays are to be cleaned thoroughly. Any debris metallic and nonmetallic lying on cable tray is to be removed and disposed at designated site. The cable trays are placed near ESP 4.5 mtr, below Continuous rapping motor area if it is not easily removed.

145. Cleaning Of Cable Spreader Rooms.

Ash/cold dust or any unwanted substances deposited on the surface of the vertical as well as horizontal cable bunches to be cleaned thoroughly by motor driven portable air blower/Industrial vacuum cleaner, in such a manner that, the dusts should not spread into the adjacent areas & out of the cable spreader room. After cleaning of cables, the floor should be cleaned by brooms and the debris/wastes generated to be disposed off in the designated areas. Necessary tools, tackles, air blowers/vacuum cleaners, brooms etc. required for execution of the job are to be arranged by the contractor.

Cable Spreader Rooms to be Cleaned		
Name of The Cable Spreader Rooms	Quantity	Frequency
Cable spreader room below UCR of Unit 1, 2 and at 4.5 meter of Annex-I	1 Number	Twice in a year
Cable spreader room below UCR of Unit 3, 4 and at 4.5 meter of Annex-II	1 Number	Twice in a year

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Cable spreader room below UCR of Unit 5,6 and 4.5 meter of Annex-III	1 Number	Twice in a year
Cable spreader room at 12 meter of Annex-I,II and III	1 Number	Twice in a year
Cable Spreader room of TG MCC-1,2,3 and 4	1 Number	Twice in a year

146. Replacement of ESP Hopper Heater.

Replacement of damaged & abnormal heater elements with new one to be done by the contractor including dismantling, cable relugging etc. as per the requirement and direction of MIC. Safety of the workmen is to be ensured by the contractor while working in height. All the tools and the tackles required to perform the job are to be arranged by the Contractor except the heater elements.

147. Replacement of ESP Shaft Insulator Heater.

Replacement of damaged & abnormal heater elements with new one to be done by the contractor including dismantling, cable relugging etc. as per the requirement and direction of MIC. Safety of the workmen is to be ensured by the contractor while working in height. All the tools and the tackles required to perform the job are to be arranged by the Contractor except the heater elements.

148. Replacement of ESP Support Insulator Heater.

Replacement of damaged & abnormal heater elements with new one to be done by the contractor including dismantling, cable relugging etc. as per the requirement and direction of MIC. Safety of the workmen is to be ensured by the contractor while working in height. All the tools and the tackles required to perform the job are to be arranged by the Contractor except the heater elements.

149. 33KV cable laying on tray up to 80mm overall dia.

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. However, the clamps, cable tags including aluminum/PVC trefoil clamps wherever necessary to be arranged by the contractor. . The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

150. 33KV Cable laying below ground level upto 80mm overall dia.

For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

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151. 33KV cable dismantling & re-laying up to 80mm overall dia.

Safely dismantling of cable has to be carried out. The same cable has to be re-laid in the same route or in a different route as per the direction of MIC. For underground cable laying, the contractor has to excavate earth of 0.9 mtr deep, 0.3 mtr width. First 75 mm sand to be laid and then provide second class brick protection on both the sides and at the top of the cable. Back fill the trench properly after cable is laid. Sand and brick to be supplied by contractor. Provide metallic cable route markers at every 15mtr interval and also at the turnings. All equipment for dismantling and re-laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall re-lay cable along the route as directed by engineer-in-charge, carry out necessary clamping and dressing. The contractor has to arrange for testing and commissioning of the laid cables. Testing and commissioning of the cable includes identification of cable cores, taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

152. Dismantling of 33KV cable up to 80mm overall dia.

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

153. End termination(Outdoor) of 33KV XLPE cable without supply 3CX185 Sqmm

The terminations are to be done on XLPE 6.6/11 KV, 33KV cables both indoor & outdoor applications where ever necessary and 1.1KV grade power and control cables. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by NALCO. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

154. End termination(Outdoor) of 33KV XLPE cable with supply 3CX185 Sqmm

The terminations are to be done on XLPE 6.6/11 KV, 33KV cables both indoor & outdoor applications where ever necessary and 1.1KV grade power and control cables. The contractor should deploy experienced persons to carry out termination jobs for different types of cables as mentioned in the BOQ, so that the breakdown is attended without any delay. The termination kits shall be of heat shrinkable type. The termination kits to be supplied by contractor. The termination kits should be of reputed company make such as, 3M, Raychem, etc. The contractor shall have to use only those materials that are accepted by the Engineer-in-charge. The contractor has to arrange the crimping tools of required sizes and all other allied materials & consumables such as cleaning solvents, insulating tapes, nuts, bolts and other fasteners etc required for the above purpose.

155. ESP Support insulator replacement

Replacement of damaged support insulator with new one to be done by the contractor. Safety of the workmen is to be ensured by the contractor while working at height. All the tools and the tackles required to perform the job are to be arranged by the Contractor except the support insulator.

156. ESP Shaft insulator replacement

Replacement of damaged shaft insulator with new one to be done by the contractor. Safety of the workmen is to be ensured by the contractor while working at height. All the tools and the tackles required to perform the job are to be arranged by the Contractor except the shaft insulator.

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157. EOT Crane maintenance

Inspection & PM are to be carried out on the support insulators of DSL and current collector insulators of PH EOT cranes. The DSL bus is to be cleaned with markin cloth to remove the dust deposited on the surface of the DSL and then clean the bus support insulators with markin cloth & cleaning agent for removal of dust/carbon dust to build up good insulation resistance between earth & bus. Check the spring tension of current collectors and insulators of both the cranes and replace the same if required after getting it inspected by the Manager-in-charge. DSL is situated at a height of 23 mtrs. Therefore safety of the workmen is to be ensured by the contractor while working. Workmen must wear safety belts while working on the DSL of the cranes. Maintenance of master controllers, switchgear panels, resistance box, brakes (DC and AC). All the tools, tackles and consumables required to perform the job are to be arranged by the contractor.

158. Hoist maintenance

Preventive and breakdown maintenance of electrical hoists to be done by contractor. Safety of the workmen is to be ensured by the contractor while working at height. All the tools, tackles and consumables required to perform the job are to be arranged by the contractor.

159. Electrical Module Maintenance

Thorough cleaning of the module with air and markin cloth. Lubrication of all moving parts with EC clean/Safety solvent. Ensuring tightness of all fasteners. All the tools, tackles and consumables required to perform the job are to be arranged by the contractor.

160. ESP EC panel maintenance

Thorough cleaning of the EC panel with air and markin cloth. Ensuring tightness of all fasteners. All the tools, tackles and consumables required to perform the job are to be arranged by the contractor.

161. LT air circuit Breaker maintenance

Racking out the breaker and Cleaning by blower and markin cloth. Lubrication of all pivots & rollers with CRC226/Wonder-X/Electrical-88. Thorough cleaning of the commutator with EC clean/Safety solvent. Replacement of the carbon brush if required. Ensuring tightness of all fasteners. Inspection of the isolating contacts against any pitting. Replacement of isolating contacts if required. Application of petroleum jelly on the contacts. Ensuring manual opening and closing of the breaker. Measurement and recording of IR value across breaker poles by 01 KV megger. Ensuring electrical closing and opening of breaker in Test position. Putting back the breaker in required position, place the control fuses in position and box-up covers.

162. Maintenance of ADP Heater

PM and breakdown maintenance of ADP heaters of compressors of Unit 1 to 6. All the tools, tackles and consumables required to perform the job are to be arranged by the contractor.

163. Erection of JB without material Supply

For erection of junction boxes, distribution boxes, and small feeder pillar boards without supply of material. To carryout erection job as per drawing and instruction of the engineer-in-charge. Painting is to be done with two coats of red oxide and two coats of epoxy paint of approved shade. The JB/DB shall be erected on angle supports as per drawing to be made available by Manager-in-charge. Before application of paints on any surface, removal of dust/grease/oil shall be ensured by using wire-brush or cleaning agents as per requirement.

164. Temporary Laying of LT cables of Different size

All equipment for laying of cable and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are to be arranged by the contractor. He shall lay cable temporarily along the route as directed by engineer-in-charge. The contractor has to arrange for testing of the laid cables. Testing and commissioning of the cable includes identification of cable cores,

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taking IR value of the cable and making the connection. The testing equipment used for the job should have valid calibration certification.

165. Dismantling of temporary laid LT cables of Different sizes

Safely dismantling of temporary laid cable has to be carried out. The dismantled cable has to be transported to the yard meant to store cable storage. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contractor.

166. Local LT panel maintenance

Clean the panel with motor driven portable air blower and markin cloth. Cleaned the panel interior with motor driven portable air blower & markin cloth. Check tightness of power & control cable connections with correct size of spanner. Clean the core & contacts of all the power contactors with cleaning agent. Check if contact tip found pitted, replace the contact tips with new one. Any material if found defective need to be replaced. The material will be provided by NALCO. All other equipment and tools required for maintenance will be provided by contractor.

167. Assistance in maintenance of HT Circuit Breakers

Thorough cleaning of the breaker trolley by blower and markin cloth. Lubrication of all pivots & rollers with CRC226/Wonder-X/Electrical-88. Thorough cleaning of the commutator with EC clean/Safety solvent. Replacement of the carbon brush if required

Checking of all insulators against any cracks. Replacement of insulators if required.

Ensuring tightness of all fasteners. Inspection of the isolating contacts against any pitting

Replacement of isolating contacts if required. Application of petroleum jelly on the contacts.

Measurement of IR value of vacuum Interrupter by 5KV megger. Replacement of vacuum Interrupter if required (in case IR value is less than acceptable level). Ensuring manual and electrical operation of spring charging motor. Ensuring manual opening and closing of the breaker.

Ensuring electrical closing and opening of breaker in Test position. Ensuring tripping of breaker through Lockout relay simulation. Put breaker in required position, place the control fuses in position and box-up covers.

168. Transportation of Switchgear panels and accessories

Transportation of switchgear panels (Including HT circuit breaker, LT circuit breaker, HT and LT panels, etc) from one place to another place inside the plant as per the direction of MIC. The required transportation device such as, hydra, forklift, jot ruck etc to be arranged by the contractor.

169. Maintenance of VFD panel

Clean the panel with motor driven portable air blower and markin cloth. Cleaned the panel interior with motor driven portable air blower & markin cloth. Check tightness of power & control cable connections with correct size of spanner. Clean the core & contacts of all the power contactors with cleaning agent. Check if contact tip found pitted, replace the contact tips with new one. Clean the panel cooling fan. Clean the VFD system. Maintenance of FVD system to be done as per direction of Engineer-in- charge. Any material if found defective need to be replaced. The material will be provided by NALCO. All other equipment and tools required for maintenance will be provided by contractor.

170. Earthing Equipments without supply of matls. GI stripe 50 X 6 mm

Laying of earthing strip to be done by contractor. NALCO will supply the material (GI Stripe). All the other equipment, tools need for above work to be arranged by contractor.

171. Earthing Equipments without supply of matls. GI stripe 25 X 3 mm

Laying of earthing strip to be done by contractor. NALCO will supply the material (GI Stripe). All the other equipment, tools need for above work to be arranged by contractor.

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172. Earthing Equipments without supply of matls. GI stripe 25 X 6 mm

Laying of earthing strip to be done by contactor. NALCO will supply the material (GI Stripe). All the other equipment, tools need for above work to be arranged by contactor.

173. Earthing Equipments without supply of matls. GI wire 8 SWG

Laying of earthing strip to be done by contactor. NALCO will supply the material (GI Wire). All the other equipment, tools need for above work to be arranged by contactor.

174. Earthing Equipment without supply of matls. GI wire 6 SWG

Laying of earthing strip to be done by contactor. NALCO will supply the material (GI Wire). All the other equipment, tools need for above work to be arranged by contactor.

175. Earthing Equipment without supply of matls. Flexible 6 SWG

Laying of earthing strip to be done by contactor. NALCO will supply the material (GI Wire). All the other equipment, tools need for above work to be arranged by contactor.

176. Cable dismantling below ground level. Up to 52 mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contactor.

177. Cable dismantling below ground level. Above 52 mm up to 72 mm

Safely dismantling of cable has to be carried out. The scrapped cable has to be transported to the yard meant to store scrap cable. The dismantling and transporting job to be carried out by contractor as per the direction of MIC. All the equipment, tools need to carry out the job has to be arranged by the contactor.

178. Transportation of cables from cpp store to work place outside plant premises

The payments for handling/transportation of cables shall be evaluated on the basis of actual weight of cables/from the indicated table for handling purpose in annexure-II as decided by MIC. The contractor has to make arrangements for the transportation of cable from central store to the work site outside plant premises (Intake Pump house, Ash pond, CISF barrack, CPP Approach road, IPH karnapur, Borge Mines LSP Bharatpur). After completion of the job balance cable drum is to be returned to central store and dispose of the empty cable drums is in the scope of the contractor.

GENERAL SCOPE

1. The contractor shall maintain adequate stock of cable jointing & termination kits (both HT & LT, outdoor & indoor types) of required specifications, ISI marked, reputed make with valid type test certificate and manufactured within last five years to meet any emergency in the plant.
2. The annexure-II enclosed gives the sizes of the cables in use and overall diameter and weight/km. of cable. The payments for handling/transportation of cables shall be evaluated on the basis of actual weight of cables/from the indicated table for handling purpose in annexure-II as decided by MIC. The contractor has to make arrangements for the transportation of cable drum from central store to the work site. After completion of the job balance cable drum is to be returned to central store and dispose of the empty cable drums is in the scope of the contractor.
3. In addition to the above jobs, the contractor has to carry out the cable laying works undertaken by various sections of Electrical department outside the plant premises like Ash pond, Intake pump house, BHEL colony, IPH, etc as per the instruction of MIC. However, the transportation of materials (supplied by NALCO) to be arranged by NALCO.
4. Whenever supplies of materials like GI flats, cable trays, earth equipment, cables, cable accessories, lugs, ferrules, paints, red oxides etc required for cable jointing termination, erection, fabrication, painting works are involved, the contractor has to produce necessary

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entry challans along with the bill for claiming payment. Gate entry challans with date along with valid bill invoices for the jobs to be executed inside the plant premises and valid bill invoice with number, date and vendor's name for outside plant premises to be produced during measurement and certification.

5. It may be noted that this contract is not only for works of regular nature. The Contractor has to mobilize men & materials as per requirement to perform breakdown jobs in cabling system within a short notice.
6. The defect liability period is 1 year as the scope covers supply and execution of cable joints & termination kits.
7. The contractor has to arrange for all tools and tackles and insulating tapes, hardware such as nuts and bolts, brushes, welding sets, gaskets, electrodes, markin cloth of NALCO standard, suitable cleaning solvents of reputed make and other materials or consumables required to take up a particular job specified in the schedule.

ENVIRONMENTAL REQUIREMENT

1. After completion of a job, all the waste materials generated during the execution of the job such as short length cables, conductor, armours, PVC insulations, waste markin cloth etc. may be taken to scrap yard and dump in designated locations.
2. Long length cables may be returned to store after proper measurement and stack in central store as specified by stores-in-charge.
3. Area cleaning has to be done wherever cable terminations, straight through joints are done.

SAFETY REQUIREMENT

1. The party has to arrange safety appliances like safety shoes, goggles, safety belt, hand gloves etc for all workmen to carry out the work.
2. Valid work permits are to be received from the NALCO representative wherever applicable before commencement of work

NOTE: THROUGHOUT THE EXECUTION OF THE CONTRACT THE CONTRACTOR SHOULD BE IN POSSESSION OF A VALID AND UP TO DATE HT ELECTRICAL CONTRACTOR'S LICENSE ISSUED BY THE APPROPRIATE STATUTORY BODY.

PRE MEDICAL CHECK-UP:

THE CONTRACTOR HAS TO ARRANGE PRE MEDICAL CHECK UP OF THE EMPLOYEES ENGAGED AGAINST THIS CONTRACT AT OUR OCCUPATIONAL HEALTH CENTRE, CPP.

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8. CONTROL CABLES: PVC (Cu.) :

<u>NO OF CORES & SIZE IN SQ.MM</u>	<u>OVERALL DIA (mm)</u>	<u>WEIGHT (Kg/Km)</u>
2x 2.5	15.10	520
3x 2.5	15.70	565
4 x 2.5	16.60	640
5 x 2.5	17.70	725
6 x 2.5	18.80	815
7 x 2.5	18.80	835
8 x 2.5	19.00	837
10 x 2.5	20.90	840
12 x 2.5	21.40	920
14 x 2.5	22.40	1025
16 x 2.5	23.50	1135
19 x 2.5	24.60	1270
24 x 2.5	28.40	1555
27 x 2.5	29.00	1670
30 x 2.5	30.40	1840
37 x 2.5	32.80	2170
44 x 2.5	36.60	2535
52 x 2.5	38.10	2860
61 x 2.5	40.40	3225
2 x 1.5	13.90	445
3 x 1.5	14.40	480
4 x 1.5	15.20	525
5 x 1.5	16.10	585
6 x 1.5	17.10	660
7 x 1.5	17.10	670
10 x 1.5	20.60	895
12 x 1.5	21.10	960
14 x 1.5	19.80	775
16 x 1.5	20.70	860
19 x 1.5	21.60	955
24 x 1.5	24.80	1150
27 x 1.5	25.30	1225
30 x 1.5	26.10	1330
37 x 1.5	28.00	1530
44 x 1.5	31.60	1820
52 x 1.5	33.10	2060
61 x 1.5	35.00	2315

9.0.8 SQ.MM ATRS CABLES (PAIRED CABLES)

2 x 2 x 0.8mm	14.10mm	410
4 x 2 x 0.8mm	15.50mm	510
8 x 2 x 0.8mm	16.90mm	630
12 x 2 x 0.8mm	18.30mm	750
16 x 2 x 0.8mm	19.80mm	850
8 x 1 x 0.8mm	14.70mm	470
24 x 1 x 0.8mm	19.50mm	530

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ANNEXURE-B3

SPECIAL CONDITINS OF CONTRACT

SUB: RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS

1. AS PER IOM NO-536/2024/ DT- 18.09.2024 OF GM(H&A), CPP

- (i) The components of Wages which are paid annually (Leave Wages & Bonus) or at the end of the Contract (Retrenchment Benefit & Gratuity) as applicable, is to be retained from the monthly RA Bills of the Contractor based on recommendation/ certification of HRD in respective HR Clearance as these components are not paid on monthly basis. The amount so retained will be released to the Contractor based on recommendation/ certification of HRD on production of documentary evidence against payment of these Wages related Components to the Bank accounts of the Workers.
- (ii) 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".

2. DEPLOYMENT OF MANPOWER

The scope of the work covers preventive, overhauling and breakdown maintenance jobs related to switchgear & cabling works. Considering the nature of jobs, the contractor has to deploy adequate manpower of required categories/skill levels for carrying out the above works. The contractor is also required to deploy manpower even during the odd hours of the day with short notices to attend break down/emergency works. The contractor may also have to deploy additional manpower to cope up occasional plant emergency situations.

3. PENALTY

The cable laying jobs are to be completed within schedule job requisition. Time frame. Penalty @ 10% per week delay on job order value may be levied after 7 days of schedule completion time as per the decision of MIC.

4. QUANTITY EXECUTION

The quantities shown are indicative only. Payment shall be made as per actual quantities executed and the rates shall remain firm for any variation in quantities of work.

5. GATE PASS

The contractor shall have to arrange valid gate pass for the workers engaged by him in order to enter into the factory premises.

6. LABOUR LAWS

The successful bidder shall abide by all the statutory provision in respect of workman deployed by him to the satisfaction of Central and State Government Authorities.

7. MEDICAL CHECK UP

The contractor shall have to submit medical certificate from a Govt. Hospital or registered medical practitioner for the workmen engaged by him along with the application for gate pass renewal.

8. LIST OF TOOLS AND TACKLES

The contractor shall provide following tools and tackles with valid calibration whenever required for execution of day-to-day jobs.

- Torch
- Portable Electric Blower
- Floor mopping machine
- Industrial grade vacuum cleaner with accessories
- Epoxy powder coating painting machine for HT and LT panels

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- Torque wrench (2 No)
- Battery operated motorised impact wrench (2 No.)
- Non-contact voltage detector
- Battery operated insulation tester (up to 6.6 kV)
- Hand lamp
- Electric welding machine
- Grinder
- Cutter
- Drilling machine (with different size drill bit)
- Arrangement of Hydra and Trucks whenever required

(The above tools are only indicative not exhaustive)

9. GENERAL CONSUMABLE ITEMS TO BE ARRANGED BY THE CONTRACTOR

- HT tape
- PVC tape
- Cotton waste
- Markin cloth
- Emery paper
- Petroleum jelly
- Safety solvent
- Heat shrink paste
- Welding electrode
- Hacksaw blade

10. FAILING IN PROVIDING SANCTIONED MANPOWER

If contractor continues to fail in providing the sanctioned manpower for more than thirty days at a stretch, the contractor shall be liable to pay penalty at twice the prevalent L0 rate @ per man day less supplied. The penalty amount shall be recoverable from any bill and / or EMD / SD of the Contractor without any further reference to him. However, in exceptional cases, if the Engineer-in charge / Manager-in-charge is satisfied, based on the actual facts and circumstances of the case, and also based on any written representation that the contractor may make in this regard, providing the lesser than requisite manpower was due to reasons beyond the control of the contractor, and for reasons not attributable directly or indirectly to the contractor, the penalty may be waived off.

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

WRITE LIST OF PPEs HERE

Declaration by the Bidder (Contractor)

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

(Signature of bidder)

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PART –C

Formats for contract execution

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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 (EMD) amount through DD/BC/PO/BG as instructed by you.
5. We agree to abide by this Tender initially for a period as mentioned at point -7 of F-02 form as validity of offer from the date of opening of Tender and it shall remain binding on us and may be accepted at any time before the expiry of that period
6. **Further we agree to the Pre-Contract Integrity Pact which is part of this tender and has signed the Pre Contract Integrity Pact as at Annexure-C21 duly filled up for further necessary action at your end.**
7. Should this Tender be accepted, we hereby agree to abide by and fulfill all Terms and Conditions of Tender Document as accepted by us and in default thereof, to forfeit and pay to NALCO such sums of money as stipulated in conditions contained in Tender Documents. We understand that NALCO is not bound to accept the lowest or any Tenders received and NALCO reserves the right to reject any or all tender without any liability.
8. This Tender together with written "Acceptance" thereof, shall constitute a binding CONTRACT between NALCO and us, till a formal contract is executed.

Date _____ day of _____

Signature _____

(NAME IN BLOCK LETTERS)

(To be signed by authorized person.)

Fax: _____, Mob: _____

Email: _____

(Seal of the Company)

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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 / concurrent commitment of the tenderer are also properly filled up and enclosed (**where ever applicable**).
- (m) That we have quoted the rates in figures as well as words.
- (n) We undertake that we do not have any unauthorized structure / construction inside Nalco-nagar Township or Plant. We also undertake to remove any / all such structures, if detected by Nalco later on in compliance of GCC terms and conditions.
- (o) We declare that all supporting documents of the offer submitted are attested by a Gazetted officer / Notary public.
- (p) **I/we declare that the document down loaded by me/my company is/are not tampered in any form.**
- (q) **We under take that my workers shall use electronic Punch cards at the Plant gates at the time of entry and exit if introduced by NALCO. Failing which he shall not be allowed into the Plant.**
- (r) **That I have submitted EMD in absence of which my bid will be rejected.**

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

Date: _____

Signature Authorized Person With seal

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 GeM 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

Signature of the Bidder

(This is an Optional / Indivative Format)

PQC – Financial
Details of Turnover / Net worth

NAME OF TENDERER

(A) - TURNOVER (Profit & Loss Account)

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

(B) - NETWORTH (Balance sheet)

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

Signature & Seal of bidder.

Countersigned by Chartered Accountant / Statutory Auditor.

ANNEXURE-C8

DETAILS OF PRESENT / CONCURRENT COMMITMENTS OF THE TENDERER (NOT APPLICABLE)

AS ON/...../..... (*)

(Last day of Month Previous to Due Date of submission / extended tender submission 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.	Work Order No.	Description of work	WO Page No. in the offer	Value of contract	Date of commen cement of work	Scheduled Completion Date	Completion in % as on date	Expected / Amended date of completion	Remarks
1	2	3	4	5	6	7	8	9	10
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

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

Signature of the bidder_____

Name of the Bidder_____

Company Seal

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.

INDEMINTY BOND AGAINST FREE ISSUE MATERIAL TO SELLER/CONTRACTORS

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

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

AND WHEREAS:

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

NOW, THEREOF, in consideration of the promises aforesaid the contractor hereby irrevocably and unconditionally undertakes to indemnity and kept indemnified the owner from and against all loss, damage and destruction (inclusive but not limited to any or all lose of damage or destruction to or of the said materials or any item or part thereof by theft, pilferage, fire flood, storm, tempest, 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) upto and aggregate limited or _____ (Rupees _____only) or ay penal recovery in respect of the same in the terms of the contract and the contractor hereby agree with the owner that:-

- 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:- 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: _____

- 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.
- WEBank having its branch office atdo 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).
- We undertake to pay to the Company any money so demanded not withstanding 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.
- 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.
- 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.
- 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.
- Notwithstanding anything contained herein before, our liability shall not exceed Rs..... (Rupees.....only) and shall remain in force till.....Unless a demand or claim

- under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time on the request of Tenderer(s).
9. We _____Bank further agree that this Guarantee shall be invocable at our place of business at _____(Bank Name), _____(Branch Name and address of the branch), Bhubaneswar , Odisha-751_____.

Date.....	Bank
Corporate Seal of the Bank	By its constitutional Attorney
	Signature of duly Authorised person
	On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----	
Address for Correspondence: -----	Telephone & Fax No.
E-mail:	

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

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

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

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 affect of so relieving us.
7. Notwithstanding anything contained herein before, our liability shall not exceed Rs.....(Rupees.....only) and shall remain in force till.....Unless a demand or claim under this Guarantee is made on us within three months from the date of expiry, we shall be discharged from all the liabilities under this guarantee.
8. We.....Bank, lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing. We further undertake to keep this Guarantee renewed from time to time at the request of Contractor(s)/Sellers(s).
9. 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.....	Bank
Corporate Seal of the Bank	By its constitutional Attorney
	Signature of duly Authorised person
	On behalf of the Bank With seal & signature code

Details of Persons Issuing the BG:

Name-----	
Address for Correspondence: -----	Telephone & Fax No.
E-mail:	

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

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

Beneficiary : NATIONAL ALUMINIUM CO LTD.

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 PERFORMANCE SECURITY / 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.

ANNEXURE-C15

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

GUARANTEE NO.....

DATE :.....

1. WHEREAS National Aluminium Company Limited (hereinafter referred to as "the Company") which expression shall unless repugnant to the context includes their legal representatives, successors and assigns having their registered office at NALCO BHAWAN, P/1, NAYAPALLI, BHUBANESWAR-751 061, Odisha, and their Branch Unit/office at _____(UNIT/OFFICE ADDRESS), has entered into a Contract with M/s _____ (hereinafter referred to as the Contractor which expression shall unless repugnant to the context include their legal representatives, successors and assigns for the work of _____ on the terms and conditions as set out, inter-alias, in the Company's Contract No. _____ dated: _____ and various documents forming part thereof hereinafter collectively referred to as the "said contract" which expression shall include all amendments, modifications and/or variations thereto.
- AND WHEREAS one of the conditions of the said contract is that the Company has agreed to supply to the contractor raw-materials (hereinafter referred to as the "said materials") for the purpose of execution by the contractor of the said contract and pending execution by the contractor of the said contract incorporating the said materials, the said materials shall be under the custody and charge of the contractor and shall be kept, stored, altered, worked upon and/or fabricated at the sole risk and expense of the Contractor.
2. AND WHEREAS the Company has asked the contractor for adequate security for the said materials to be supplied to the contractor under the contract.
3. AND WHEREAS at the request of the contractor the Company has agreed to accept a bank guarantee from _____ with Registered Office at _____ (hereinafter referred to as "the surety").
4. NOW THIS GUARANTEE WITNESSETH that in consideration of the Company having at the request of contractor agreed to accept a Bank Guarantee of the Surety amounting to ` _____ (Rupees _____ only) in respect of the said materials against any and all loss, damage, destruction (inclusive of but not limited to any and all loss or damage or destruction to or of the said materials or any item or part thereof by theft, pilferage, fire, explosion, storage, chemical or physical action or reaction, bending, wrapping exposure, rusting, faulty workmanship, faulty methods or technique of fabrication, or other act of omission or commission whatsoever within the control of the contractor, misuse or misappropriation by the contractor and the contractor's servant and/or agents whatsoever to or of in the said materials or any part of items thereof from the date the said materials was supplied to the contractor upto and until the date of return to the Company of the said materials or relative part of item thereof or completed fabricated work(s) incorporating the said materials, the surety shall indemnify and pay, without protest or demur and without recourse to the contractor, the Company upto and not exceeding altogether a sum of ` _____ (Rupees _____ only) on demand by the Company. The decision of the Company as to any loss, damage, destruction, misuse and misappropriation under the terms and conditions of this guarantee shall be final and binding on the Surety.

BANK GUARANTEE FOR ADVANCE PAYMENT

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

B. G. No. _____ Date: _____

1. In consideration of National Aluminium Company Limited (A Government of India Enterprise), having its Unit/Office at _____ (UNIT/OFFICE ADDRESS WHERE THE WORK IS EXECUTED) (hereinafter called “The Company” which expression shall unless repugnant to the subject or context includes its legal representatives, successors and assigns) having agreed to make an advance payment of Rs.....(Rupees.....only) to M/s. (hereinafter called “the said Contractor(s)/Seller(s)” which expression shall unless repugnant to the subject or context includes their legal representatives, successors and assigns) from the demand, terms and conditions of Contract/Order No..... dated. for (work/assignment description) on production of a bank guarantee equivalent to 110% of the advance payment indicated above.
2. WeBank having its branch office atdo 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

LIST OF STANDARDISED BANKS

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

ANNEXURE-C18

SAC CODES for Services & HSN code for supply

[illegible]

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 _____ 2025, 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 Ms. Kirti Khaira Manager (E&I) T&C (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 **RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS** and the BIDDER/Seller is willing to offer/has offered the stores and
WHEREAS the BIDDER is a private company / public company /Government undertaking/ partnership /registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a Company under the administrative control of the Ministry of Mines, Govt. of India.

NOW THEREFORE

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

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

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

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

Commitments of the BUYER

1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person or organisation or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

- 1.2
- The BUYER will, during the pre-contract stage, treat all BIDDERS alike and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS.
- 1.3
- All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.
2.
- In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

Commitments of BIDDERS

3.
- The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following :-
- 3.1
- The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organisation or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.
- 3.2
- The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with the Government.
- 3.3
- BIDDERS shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.
- 3.4
- BIDDERS shall disclose the payment to be made by them to agents / brokers or any other Intermediary, in connection with this bid / contract.
- 3.5
- The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to

officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

- 3.6 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.
- 3.7 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.
- 3.8 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.
- 3.9 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable fact.
- 3.10 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.
- 3.11. If the Bidder or any employee of the Bidder or any person acting on the behalf of the Bidder, either directly or indirectly, is a relative of any of the officers of the Buyer, or alternatively, if any relative of an officer of the Buyer has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender.

The term "relative" for this purpose would be as defined in Section 6 of the Companies Act 1956.

- 3.12. The Bidder shall not lend to or borrow any money from or enter into monetary dealings or transactions, directly or indirectly, with any employee of the Buyer.
- 3.13 Bidder(s)/ Contractor(s) who have signed the integrity pact shall not approach the courts while representing the matter to IEMs and shall wait for their decision in the matter.

4. **Previous Transgression**

- 4.1. The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could Justify Bidder's exclusion from the tender process.
- 4.2. The Bidder agrees that if it makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5.. **Sanctions for Violations :**

- 5.1. Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle of the BUYER to take all or any one of the following actions, wherever required: -

- (i) To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- (ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To en-cash the advance bank guarantee and performance bond / warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation / rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding processes of NALCO for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

5.2 The BUYER will be entitled to take all or any of the actions mentioned at para 5.1(i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the independent Monitor(s) appointed for the purposes of this Pact.

6. Independent External Monitors (IEMs):

6.1. The BUYER has a panel of Independent External Monitors (hereinafter referred to as-IEMs) for this Pact in consultation with the Central Vigilance Commission as mentioned in NALCO's NIT/NALCO's website (www.nalcoindia.com).

6.2 The task of the IEMs shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

6.3 The IEMs shall not be subject to instructions by representatives of the parties and perform their functions neutrally and independently.

6.4 Both the parties accept that the IEMs have the right to access all the documents relating to the project / procurement including minutes of meetings.

6.5 As soon as the IEM notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.

6.6 The BIDDER(s) accepts that the IEM has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the IEM, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The IEM shall be under contractual obligation to treat the information and documents of the BIDDER / Subcontractor(s) with confidentiality.

6.7 The BUYER will provide to the IEM sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the IEM the option to participate in such meetings.

6.8 The IEM will submit a written report to the designated Authority of BUYER / Secretary in the Department / within 8 to 10 weeks from the date of reference or intimation to his by the BUYER / BIDDER and should be occasion arise, submit proposals for correcting problematic situations.

7. Facilitation of Investigation:

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

8. Law and Place of Jurisdiction:

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

9. Other Legal Actions:
The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.
10. Validity:
10.1 This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by CMD, NALCO.
10.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.
11. If the bidder/ Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members
12. The parties hereby sign this Integrity Pact at _____ on _____.

For & on behalf of

For & on behalf of

BUYER

BIDDER

Name of the Officer: Ms Kiti Khaira

Designation: Sr. Manager (E&I) T&C

Company: CPP.NALCO,ANGUL

Official Seal

Witness

Witness

1. _____1. _____
2. _____2. _____

AGREEMENT

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

Whereas:

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

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

AND WHEREAS:

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

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

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

AND

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

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

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

Signed & delivered for &
on behalf of Owner

Signed & delivered for &
on behalf of Contractor.

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

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

IN THE PRESENCE OF TWO WITNESSES.

NALCO'S WITNESS.

CONTRACTOR'S WITNESS.

01)_____01)_____

02)_____02)_____

PLACE: NALCO, CPP

नालको

NALCO

NATIONAL ALUMINIUM COMPANY LIMITED

(A Government of India Enterprise)

TENDER & CONTRACT DEPT., 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	NA
		(b) Downloaded from Internet	Yes / No	NA
13.	Deviation from the NIT terms & conditions in deviation sheet only. (Ref :-Annexure-C3)		Yes / No	NA
14	Signed declaration form by authorized signatory as per 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

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 of DD/ BG

EMD value: Rs. _____

BG No. _____ Dated _____ Valid up to _____ Claim period upto _____

DD No. _____ Dated _____ Drawn on _____ Valid up to _____

BC No. _____ Dated _____ Drawn on _____ Valid up to _____

4.0

Validity of Bank Guarantee

towards Earnest Money Deposit enclosed with Techno-commercial Part of your offer (if submitted in the form of BG) is _____ Months from the tender opening/Extended tender opening date. (Annexure-C12)

Yes

Valid Up to _____.

5.0

Validity of Offer

is up to _____Months from the tender opening/Extended tender opening date.

Yes

Valid Up to _____.

6.0

Annual Turnover Details

as per proforma including Audited Balance Sheets including Profit and Loss Account Statement for the last 3 (Three) years.

Submitted.

Submitted for the years:

1. _____

2. _____

3. _____

7.0

Fresh Solvency Certificate from your Bankers (Date of issue of this certificate should not be earlier than one year from the date of opening of Techno-commercial Part).

Submitted.

Certificate dated _____

From (Name of Bank) _____

8.0

Details of Past Experience

in the proforma enclosed in the Bidding Document.

Submitted.

9.0

Details of Present / Concurrent Commitments

in the proforma enclosed in the proforma enclosed in the Bidding Document (where ever applicable).

Submitted.

- 10.0

List of minimum equipment proposed to be deployed for the work in the proforma enclosed in the Bidding Document.

Submitted.

Ref.: _____
- 11.0

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

Submitted.

Ref. _____
- 12.0

Proposed Site Organisation (as per proforma enclosed in the Bidding Document)

i) Submitted

Ref. _____

ii) Qualification and Experience of Resident Engineer/ Site-in-Charge and other key personnel have been mentioned in the site organization chart.

Yes

Ref. _____

iii) Number of Key Personnel under different heads have been mentioned in the Site Organisation Chart.

Yes

Ref. _____

iv) Site Organization Chart includes qualified and experienced Quality Control Engineer, Planning Engineer and Safety Officer.

Yes

Ref. _____
- 13.0

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

Submitted

Ref. _____
- 14.0

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

Submitted.

Ref. _____
- 15.0

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

Submitted.
- 16.0

Declaration regarding relationship with client's Director

Submitted.
- 17.0

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

Submitted.
- 18.0

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

Submitted.

Ref. _____
- 19.0

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

Submitted.

Ref. _____

20.0 Exception and Deviation Statement in the proforma enclosed.

Submitted.

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

Submitted. No. of copies submitted: _____

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

Submitted.

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

Yes.

SIGNATURE OF BIDDER: _____

NAME OF BIDDER: _____

COMPANY SEAL: _____

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:

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

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

Date: _____

Place:_____ To be signed by the authorized person under the firm’s seal.

Declaration by Bidder for Implementation of Integrity

Tender Ref: _____

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

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

Yours faithfully

(Authorized signatory of the Bidder)
Date:

GENERAL CONDITIONS OF CONTRACT (GCC)

(Enclosed separately with this Tender)

BOQ**ANNEXURE-B4**

Name of Work: RATE CONTRACT FOR CABLE LAYING & POWER HOUSE SWITCHGEAR MAINTENANCE WORKS (MC-5554)

Name of the
Bidder :**NOTE:**

1. This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns.
2. Bidders are allowed to enter the Bidder Name and Values only.
3. In case of any mismatch between the amount in this Price Bid (BOQ) and GeM-Portal-Quotation-Field, then the value mentioned in the GeM Portal Field shall be final.
4. Prior to submission of the Offer, the Bidders may please ensure their GST registration category in GEM portal is correct, for e.g. if a vendor is REGISTERED GST Vendor, same should be ensured during GeM Portal registration of the Vendor.
5. In GeM Portal Quotation field, the total amount inclusive of GST (for registered Vendor) is to be quoted.
6. Bidders are required to quote on, either 'Plus(+)', or 'Minus(-)' Percentage (%) basis only vis-a-vis total declared estimate inclusive of GST (for registered Vendor), in figure & in words, in the Percentage BOQ format only.
7. The total declared estimate is Rs 1,18,91,643.50, exclusive of GST (GST is to be added extra as applicable).
8. Total value of contract shall be as per the quoted % of the declared Estimate of the accepted L-1 bidder or the Estimate whichever is less.
9. Uploading of this BOQ is mandatory for item break up of the BoQ.
10. The evaluation shall be based on overall L-1 basis.

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Contract Period	Basic Unit Price (Exclusive of all taxes)	Basic Amount (Exclusive of all taxes)	GST %	Total Amount inclusive of GST	SAC Code
1	2	3	4	5	6	7	8	9	10	11
1	ITEM 1	Cable laying on tray Up to 52 mm, as per Scope of Work	3600.00	METER	02 (Two) Years	105.68	380448.00	18%	448928.64	
2	ITEM 2	Cable laying on tray abv 52mm-90mm, as per Scope of Work	1800.00	METER	02 (Two) Years	95.15	171270.00	18%	202098.60	
3	ITEM 3	Cable laying below ground lev upto 52mm, as per Scope of Work	8.00	METER	2 (Two) Years	445.59	3564.72	18%	4206.37	
4	ITEM 4	Cable laying below ground abv 52mm-90mm, as per Scope of Work	8.00	METER	2 (Two) Years	465.54	3724.32	18%	4394.70	
5	ITEM 5	Cable dismantling from ground upto 52mm, as per Scope of Work	8.00	METER	2 (Two) Years	97.44	779.52	18%	919.83	
6	ITEM 6	Cable dismantling from ground above 52mm, as per Scope of Work	8.00	METER	2 (Two) Years	103.54	828.32	18%	977.42	
7	ITEM 7	Dismntle of cable from underground upto 70mm, as per Scope of Work	8.00	METER	2 (Two) Years	375.94	3007.52	18%	3548.87	
8	ITEM 8	Dismntling of cable from underground 70-90mm, as per Scope of Work	8.00	METER	2 (Two) Years	465.45	3723.60	18%	4393.85	

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Contract Period	Basic Unit Price (Exclusive of all taxes)	Basic Amount (Exclusive of all taxes)	GST %	Total Amount inclusive of GST	SAC Code
1	2	3	4	5	6	7	8	9	10	11
9	ITEM 9	Cabledismantle&relaying upto 52mm, as per Scope of Work	41.00	METER	2 (Two) Years	108.00	4428.00	18%	5225.04	
10	ITEM 10	Cable dismantling&relaying upto 52-70mm, as per Scope of Work	130.00	METER	2 (Two) Years	142.00	18460.00	18%	21782.80	
11	ITEM 11	Cable dismantling&relaying above 70-90mm, as per Scope of Work	41.00	METER	2 (Two) Years	177.72	7286.52	18%	8598.09	
12	ITEM 12	Dismantling of cable Upto 52mm, as per Scope of Work	3600.00	METER	2 (Two) Years	102.02	367272.00	18%	433380.96	
13	ITEM 13	Dismantling of cable Above 52mm upto 90mm, as per Scope of Work	1100.00	METER	2 (Two) Years	125.43	137973.00	18%	162808.14	
14	ITEM 14	Powercablelaying for 1/2/3/3.5/4C upto 23mm, as per Scope of Work	3400.00	METER	2 (Two) Years	25.17	85578.00	18%	100982.04	
15	ITEM 15	Powercablelaying for 1/2/3/3.5/4C 23-45mm, as per Scope of Work	9500.00	METER	2 (Two) Years	30.76	292220.00	18%	344819.60	
16	ITEM 16	Powercablelaying for 1/2/3/3.5/4C 45-72mm, as per Scope of Work	4400.00	METER	2 (Two) Years	29.69	130636.00	18%	154150.48	
17	ITEM 17	Cabledismntle&relaying 1/2/3.5/4C upto 23mm, as per Scope of Work	661.00	METER	2 (Two) Years	42.01	27768.61	18%	32766.96	
18	ITEM 18	Cabledismntle&relaying 1/2/3.5/4C 23-34mm, as per Scope of Work	665.00	METER	2 (Two) Years	46.20	30723.00	18%	36253.14	
19	ITEM 19	Cabledismntle&relaying 1/2/3.5/4C 34-45mm, as per Scope of Work	307.00	METER	2 (Two) Years	53.73	16495.11	18%	19464.23	
20	ITEM 20	Cabledismntle&relaying 1/2/3.5/4C 45-72mm, as per Scope of Work	4000.00	METER	2 (Two) Years	42.10	168400.00	18%	198712.00	
21	ITEM 21	Dismantle of 1.1KV cable up to 23mm, as per Scope of Work	3300.00	METER	2 (Two) Years	23.58	77814.00	18%	91820.52	
22	ITEM 22	Dismantling of cable above 23mm to 35mm, as per Scope of Work	1300.00	METER	2 (Two) Years	27.51	35763.00	18%	42200.34	
23	ITEM 23	Dismantling of cable above 35-70mm, as per Scope of Work	578.00	METER	2 (Two) Years	29.48	17039.44	18%	20106.54	

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1	2	3	4	5	6	7	8	9	10	11
24	ITEM 24	Cablelaying on tray up to 16mm, as per Scope of Work	2600.00	METER	2 (Two) Years	25.59	66534.00	18%	78510.12	
25	ITEM 25	Cable laying on tray 16.1-23mm, as per Scope of Work	3700.00	METER	2 (Two) Years	27.90	103230.00	18%	121811.40	
26	ITEM 26	Cable laying on tray 23.1-32mm, as per Scope of Work	104.00	METER	2 (Two) Years	34.11	3547.44	18%	4185.98	
27	ITEM 27	Cable laying on tray 32.1-42mm, as per Scope of Work	8.00	METER	2 (Two) Years	40.94	327.52	18%	386.47	
28	ITEM 28	Controlcabledismantle&relay to 16mm, as per Scope of Work	1000.00	METER	2 (Two) Years	44.35	44350.00	18%	52333.00	
29	ITEM 29	Controlcabledismantle&relay16.1-23mm, as per Scope of Work	661.00	METER	2 (Two) Years	46.20	30538.20	18%	36035.08	
30	ITEM 30	Controlcabledismantle&relay23.1-42mm, as per Scope of Work	29.00	METER	2 (Two) Years	70.04	2031.16	18%	2396.77	
31	ITEM 31	Cablelayingbelow grnd lvl upto 52 mm, as per Scope of Work	2500.00	METER	2 (Two) Years	206.47	516175.00	18%	609086.50	
32	ITEM 32	Cablelayingbelowgrnd lvl 52-72mm, as per Scope of Work	700.00	METER	2 (Two) Years	263.77	184639.00	18%	217874.02	
33	ITEM 33	P cabledismantlefromunder grnd&relay34mm, as per Scope of Work	82.00	METER	2 (Two) Years	168.37	13806.34	18%	16291.48	
34	ITEM 34	Pcabledismntlefromundergrnd&relay34-72mm, as per Scope of Work	256.00	METER	2 (Two) Years	187.08	47892.48	18%	56513.13	
35	ITEM 35	Forstackerreclaimer trailing cable 4cx50, as per Scope of Work	550.00	METER	2 (Two) Years	63.83	35106.50	18%	41425.67	
36	ITEM 36	Forstackerreclaimertrailingcable 24cx2.5, as per Scope of Work	41.00	METER	2 (Two) Years	43.13	1768.33	18%	2086.63	
37	ITEM 37	Forstackerreclaimercable(remove)4cx50, as per Scope of Work	550.00	METER	2 (Two) Years	53.81	29595.50	18%	34922.69	
38	ITEM 38	Forstackerreclaimercable(remove) 24cx2.5, as per Scope of Work	41.00	METER	2 (Two) Years	44.01	1804.41	18%	2129.20	

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1	2	3	4	5	6	7	8	9	10	11
39	ITEM 39	Forploughfeeder1.1kv trailingcablelaying, as per Scope of Work	92.00	METER	2 (Two) Years	61.35	5644.20	18%	6660.16	
40	ITEM 40	Forploughfeedr1.1kv trailingcableremoval, as per Scope of Work	46.00	METER	2 (Two) Years	54.90	2525.40	18%	2979.97	
41	ITEM 41	For tripper 1.1kv cable laying, as per Scope of Work	450.00	METER	2 (Two) Years	32.59	14665.50	18%	17305.29	
42	ITEM 42	For tripper 1.1kv cable removal, as per Scope of Work	450.00	METER	2 (Two) Years	47.41	21334.50	18%	25174.71	
43	ITEM 43	For tripper termination with supply, as per Scope of Work	6.00	NO	2 (Two) Years	2266.34	13598.04	18%	16045.69	
44	ITEM 44	For tripper termination without supply, as per Scope of Work	1.00	NO	2 (Two) Years	1303.89	1303.89	18%	1538.59	
45	ITEM 45	Endtermnof XLPEcablewithsupply1cx630sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	12300.40	12300.40	18%	14514.47	
46	ITEM 46	ETofXLPEcablewithsupply1cx300/400/500sqm, as per Scope of Work	1.00	NO	2 (Two) Years	12300.40	12300.40	18%	14514.47	
47	ITEM 47	Endtermnof XLPEcablewithsupply3cx300sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	16322.14	16322.14	18%	19260.13	
48	ITEM 48	Endtermnof XLPEcablewithsupply3cx400sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	20177.62	20177.62	18%	23809.59	
49	ITEM 49	Endtermnof XLPEcablewithsupply3cx240sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	16239.41	16239.41	18%	19162.50	
50	ITEM 50	Endtermnof XLPEcablewithsupply3cx185sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	16573.62	16573.62	18%	19556.87	
51	ITEM 51	Endtermnof XLPEcablewithsupply4cx50sqmm, as per Scope of Work	8.00	NO	2 (Two) Years	7208.57	57668.56	18%	68048.90	
52	ITEM 52	Endtermn XLPEcablewithoutsply1cx630sqmm, as per Scope of Work	22.00	NO	2 (Two) Years	1550.71	34115.62	18%	40256.43	
53	ITEM 53	ETofXLPEcablewithoutsuply1cx300/400/500s, as per Scope of Work	4.00	NO	2 (Two) Years	2094.73	8378.92	18%	9887.13	

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1	2	3	4	5	6	7	8	9	10	11
54	ITEM 54	Endtermn XLPEcablewithoutsply3cx300sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	2474.67	2474.67	18%	2920.11	
55	ITEM 55	Endtermn XLPEcablewithoutsply3cx400sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	2474.67	2474.67	18%	2920.11	
56	ITEM 56	Endtermn XLPEcablewithoutsply3cx240sqmm, as per Scope of Work	1.00	NO	2 (Two) Years	2474.67	2474.67	18%	2920.11	
57	ITEM 57	Endtermn XLPEcablewithoutsply3cx185sqmm, as per Scope of Work	4.00	NO	2 (Two) Years	2474.67	9898.68	18%	11680.44	
58	ITEM 58	Endtermn XLPEcablewithoutsply4cx50sqmm, as per Scope of Work	3.00	NO	2 (Two) Years	2227.83	6683.49	18%	7886.52	
59	ITEM 59	St.thrjointof6.6kvcablewithsupply3cx185, as per Scope of Work	1.00	NO	2 (Two) Years	26796.58	26796.58	18%	31619.96	
60	ITEM 60	St.thrjointof6.6kvcablewithsupply3cx300, as per Scope of Work	1.00	NO	2 (Two) Years	28869.21	28869.21	18%	34065.67	
61	ITEM 61	St.thrjointof6.6kvcablewithsupply3cx240, as per Scope of Work	1.00	NO	2 (Two) Years	28869.21	28869.21	18%	34065.67	
62	ITEM 62	STjtof6.6kvcablewithsuply1cx300/400/500s, as per Scope of Work	1.00	NO	2 (Two) Years	15488.44	15488.44	18%	18276.36	
63	ITEM 63	St.thrjointof6.6kvcablewithsupply3cx400, as per Scope of Work	1.00	NO	2 (Two) Years	28869.21	28869.21	18%	34065.67	
64	ITEM 64	St.thrjointof6.6kvcablewithsupply1cx630, as per Scope of Work	1.00	NO	2 (Two) Years	16710.60	16710.60	18%	19718.51	
65	ITEM 65	St.thrjointof6.6kvcblewithoutsuply3cx185, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	
66	ITEM 66	St.thrjointof6.6kvcblewithoutsuply3cx240, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	
67	ITEM 67	St.thrjointof6.6kvcblewithoutsuply3cx300, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	
68	ITEM 68	St.thrjointof6.6kvcblewithoutsuply3cx400, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	

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1	2	3	4	5	6	7	8	9	10	11
69	ITEM 69	St.thrjointof6.6kvblewithoutupply3cx400, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	
70	ITEM 70	Sthtrjointof6.6kvblewithoutupply1cx630, as per Scope of Work	1.00	NO	2 (Two) Years	3367.63	3367.63	18%	3973.80	
71	ITEM 71	EndtermnLTcabwithsply1/2/3.5/4cupto 23mm, as per Scope of Work	99.00	NO	2 (Two) Years	1377.54	136376.46	18%	160924.22	
72	ITEM 72	EndtermnLTcabwithsply1/2/3.5/4c 23-34mm, as per Scope of Work	200.00	NO	2 (Two) Years	1458.18	291636.00	18%	344130.48	
73	ITEM 73	EndtermnLTcabwithsply1/2/3.5/4c 34-45mm, as per Scope of Work	33.00	NO	2 (Two) Years	1482.10	48909.30	18%	57712.97	
74	ITEM 74	EndtermnLTcabwithsply1/2/3.5/4c 45-72mm, as per Scope of Work	8.00	NO	2 (Two) Years	1567.79	12542.32	18%	14799.94	
75	ITEM 75	EndtermnLTcabwithoutsply1/2/3.5/4cto 23mm, as per Scope of Work	195.00	NO	2 (Two) Years	923.96	180172.20	18%	212603.20	
76	ITEM 76	EndtermnLTcabwithoutsply1/2/3.5/4c23-34mm, as per Scope of Work	102.00	NO	2 (Two) Years	923.96	94243.92	18%	111207.83	
77	ITEM 77	EndtermnLTcabwithoutsply1/2/3.5/4c34-72mm, as per Scope of Work	66.00	NO	2 (Two) Years	923.96	60981.36	18%	71958.00	
78	ITEM 78	EndtermnLTcabwithoutgland1/2/3.5/4cto23mm, as per Scope of Work	41.00	NO	2 (Two) Years	923.96	37882.36	18%	44701.18	
79	ITEM 79	EndtermnLTcabwithoutgland1/2/3.5/4cto23-34, as per Scope of Work	26.00	NO	2 (Two) Years	923.96	24022.96	18%	28347.09	
80	ITEM 80	EndtermnLTcabwithoutgland1/2/3.5/4cto34-45, as per Scope of Work	11.00	NO	2 (Two) Years	923.96	10163.56	18%	11993.00	
81	ITEM 81	EndtermnLTcabwithoutgland1/2/3.5/4cto45-72, as per Scope of Work	19.00	NO	2 (Two) Years	923.96	17555.24	18%	20715.18	
82	ITEM 82	Opning&resokting1/2/3/3.5/4cupto23mm, as per Scope of Work	1.00	NO	2 (Two) Years	1290.61	1290.61	18%	1522.92	
83	ITEM 83	Opning&resokting1/2/3/3.5/4c23-40mm, as per Scope of Work	3.00	NO	2 (Two) Years	1427.95	4283.85	18%	5054.94	

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1	2	3	4	5	6	7	8	9	10	11
84	ITEM 84	Opning&resokting1/2/3/3.5/4c40-55mm, as per Scope of Work	4.00	NO	2 (Two) Years	1488.41	5953.64	18%	7025.30	
85	ITEM 85	Opningreskting1/2/3/3.5/4cwomatleto23mm, as per Scope of Work	19.00	NO	2 (Two) Years	923.96	17555.24	18%	20715.18	
86	ITEM 86	Opningreskting1/2/3/3.5/4cwomatleto23-55, as per Scope of Work	4.00	NO	2 (Two) Years	923.96	3695.84	18%	4361.09	
87	ITEM 87	End trmn of contcble with matle 10-22mm, as per Scope of Work	450.00	NO	2 (Two) Years	1196.10	538245.00	18%	635129.10	
88	ITEM 88	End trmn of contcble with matle 22-31mm, as per Scope of Work	57.00	NO	2 (Two) Years	1135.64	64731.48	18%	76383.15	
89	ITEM 89	End trmn of contcble with matle 31-42mm, as per Scope of Work	1.00	NO	2 (Two) Years	1211.22	1211.22	18%	1429.24	
90	ITEM 90	End trmn of contcblewithout matle 10-22mm, as per Scope of Work	350.00	NO	2 (Two) Years	923.96	323386.00	18%	381595.48	
91	ITEM 91	End trmn of contcblewithout matle 22-42mm, as per Scope of Work	11.00	NO	2 (Two) Years	923.96	10163.56	18%	11993.00	
92	ITEM 92	Endtrmnofcontcblewithout gland 10-22mm, as per Scope of Work	22.00	NO	2 (Two) Years	1116.72	24567.84	18%	28990.05	
93	ITEM 93	Endtrmnofcontcblewithout gland 22-31mm, as per Scope of Work	8.00	NO	2 (Two) Years	1160.83	9286.64	18%	10958.24	
94	ITEM 94	Endtrmnofcontcblewithout gland 31-42mm, as per Scope of Work	1.00	NO	2 (Two) Years	1198.63	1198.63	18%	1414.38	
95	ITEM 95	Opningresktingwithsupof socketupto23mm, as per Scope of Work	1.00	NO	2 (Two) Years	1231.39	1231.39	18%	1453.04	
96	ITEM 96	Opningresktingwithsupof socketupto23-42, as per Scope of Work	1.00	NO	2 (Two) Years	1289.35	1289.35	18%	1521.43	
97	ITEM 97	Opningresktingwithoutsupofsocketupto23mm, as per Scope of Work	6.00	NO	2 (Two) Years	923.96	5543.76	18%	6541.64	
98	ITEM 98	Opningresktingwithoutsupofsocketupto23-42, as per Scope of Work	3.00	NO	2 (Two) Years	923.96	2771.88	18%	3270.82	

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1	2	3	4	5	6	7	8	9	10	11
99	ITEM 99	st.thr.joint1.1kv with supply upto 27mm, as per Scope of Work	3.00	NO	2 (Two) Years	2780.27	8340.81	18%	9842.16	
100	ITEM 100	st.thr.joint1.1kv with supply 27.1-40mm, as per Scope of Work	9.00	NO	2 (Two) Years	4472.40	40251.60	18%	47496.89	
101	ITEM 101	st.thr.joint1.1kv with supply 40.1-49mm, as per Scope of Work	1.00	NO	2 (Two) Years	5484.15	5484.15	18%	6471.30	
102	ITEM 102	st.thr.joint1.1kv with supply 49.1-57mm, as per Scope of Work	1.00	NO	2 (Two) Years	6749.15	6749.15	18%	7964.00	
103	ITEM 103	st.thr.joint1.1kv with supply above 57mm, as per Scope of Work	3.00	NO	2 (Two) Years	6828.53	20485.59	18%	24173.00	
104	ITEM 104	st.thr.joint1.1kvwithout supply upto 27mm, as per Scope of Work	24.00	NO	2 (Two) Years	1847.90	44349.60	18%	52332.53	
105	ITEM 105	st.thr.joint1.1kvwithout supply 27.1-49mm, as per Scope of Work	1.00	NO	2 (Two) Years	1847.90	1847.90	18%	2180.52	
106	ITEM 106	st.thr.joint1.1kvwithout supply 49.1-57mm, as per Scope of Work	1.00	NO	2 (Two) Years	2445.02	2445.02	18%	2885.12	
107	ITEM 107	st.thr.joint1.1kvwithout supply above 57mm, as per Scope of Work	1.00	NO	2 (Two) Years	2938.67	2938.67	18%	3467.63	
108	ITEM 108	st.thr.jointcontcabwithsuplyofallmat.SII, as per Scope of Work	1.00	NO	2 (Two) Years	3611.85	3611.85	18%	4261.98	
109	ITEM 109	st.thr.jointcontcabwithsuplyofallmat.SIII, as per Scope of Work	1.00	NO	2 (Two) Years	3778.16	3778.16	18%	4458.23	
110	ITEM 110	st.thr.jointcontcabwithsuplyofallmat.S-IV, as per Scope of Work	1.00	NO	2 (Two) Years	4031.42	4031.42	18%	4757.08	
111	ITEM 111	st.thr.jointcontcabwithsuplyofallmat.S-V, as per Scope of Work	1.00	NO	2 (Two) Years	4283.41	4283.41	18%	5054.42	
112	ITEM 112	EarthEqswithsuplyofmatlsGlstr50x6mm, as per Scope of Work	115.00	METER	2 (Two) Years	415.51	47783.65	18%	56384.71	
113	ITEM 113	EarthEqswithsuplyofmatlsGlstr25x3mm, as per Scope of Work	19.00	METER	2 (Two) Years	329.85	6267.15	18%	7395.24	

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1	2	3	4	5	6	7	8	9	10	11
114	ITEM 114	EarthEqswithsuplyofmatlsGlstr25x6mm, as per Scope of Work	1.00	METER	2 (Two) Years	347.48	347.48	18%	410.03	
115	ITEM 115	EarthEqswithsuplyofmatlsGlwire8SWG, as per Scope of Work	95.00	METER	2 (Two) Years	106.17	10086.15	18%	11901.66	
116	ITEM 116	EarthEqswithsuplyofmatlsGlwire6SWG, as per Scope of Work	3.00	METER	2 (Two) Years	108.69	326.07	18%	384.76	
117	ITEM 117	EarthEqswithsuplyofmatlsFlexible6SWG, as per Scope of Work	1.00	METER	2 (Two) Years	130.10	130.10	18%	153.52	
118	ITEM 118	HndlingofcabdrmfrcmCPPstoretoworkspot, as per Scope of Work	37.00	MT	2 (Two) Years	3698.52	136845.24	18%	161477.38	
119	ITEM 119	Fabrication of cable trays with supply, as per Scope of Work	4.00	MT	2 (Two) Years	28420.56	113682.24	18%	134145.04	
120	ITEM 120	Fabrication of cabletrays without supply, as per Scope of Work	4.00	MT	2 (Two) Years	16851.62	67406.48	18%	79539.65	
121	ITEM 121	Erection of cable trays., as per Scope of Work	8.00	MT	2 (Two) Years	16851.62	134812.96	18%	159079.29	
122	ITEM 122	Brush painting inclusive of all material, as per Scope of Work	99.00	SQM	2 (Two) Years	395.10	39114.90	18%	46155.58	
123	ITEM 123	Spray painting inclusive of all material, as per Scope of Work	99.00	SQM	2 (Two) Years	353.46	34992.54	18%	41291.20	
124	ITEM 124	Fabrication of JB with supplyof material, as per Scope of Work	82.00	KG	2 (Two) Years	494.27	40530.14	18%	47825.57	
125	ITEM 125	Fabrication ofJB without supplyof matles, as per Scope of Work	700.00	KG	2 (Two) Years	337.03	235921.00	18%	278386.78	
126	ITEM 126	Erection of JB with materials, as per Scope of Work	2400.00	KG	2 (Two) Years	265.35	636840.00	18%	751471.20	
127	ITEM 127	Erec.ofmain sw. withoutmtlesupto63A, as per Scope of Work	16.00	NO	2 (Two) Years	842.57	13481.12	18%	15907.72	
128	ITEM 128	Erec.ofmainsw.withoutmtles>63A<300A, as per Scope of Work	3.00	NO	2 (Two) Years	1847.90	5543.70	18%	6541.57	

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1	2	3	4	5	6	7	8	9	10	11
129	ITEM 129	Erec.ofmain sw.without mtles above 300A, as per Scope of Work	1.00	NO	2 (Two) Years	2013.35	2013.35	18%	2375.75	
130	ITEM 130	Erec.ofmain sw. with mtles upto63A, as per Scope of Work	1.00	NO	2 (Two) Years	1111.70	1111.70	18%	1311.81	
131	ITEM 131	Erec.ofmain sw.with mtles >63A<300A, as per Scope of Work	1.00	NO	2 (Two) Years	2465.32	2465.32	18%	2909.08	
132	ITEM 132	Erec.ofmain sw.with mtles above 300A, as per Scope of Work	1.00	NO	2 (Two) Years	2648.28	2648.28	18%	3124.97	
133	ITEM 133	Cleaning & Maint. Of LT boards., as per Scope of Work	100.00	NO	2 (Two) Years	7753.56	775356.00	18%	914920.08	
134	ITEM 134	Assistance in cleaning of HT boards, as per Scope of Work	33.00	NO	2 (Two) Years	7397.07	244103.31	18%	288041.91	
135	ITEM 135	Cleaning & Maint of LCC, as per Scope of Work	1400.00	NO	2 (Two) Years	184.78	258692.00	18%	305256.56	
136	ITEM 136	Replacement of isolator, as per Scope of Work	12.00	NO	2 (Two) Years	153.99	1847.88	18%	2180.50	
137	ITEM 137	Replacement of P,B, as per Scope of Work	57.00	NO	2 (Two) Years	153.99	8777.43	18%	10357.37	
138	ITEM 138	Preventive maintenance of sootblowers, as per Scope of Work	6000.00	NO	2 (Two) Years	198.26	1189560.00	18%	1403680.80	
139	ITEM 139	Cleaning of ESP insulators, as per Scope of Work	744.00	NO	2 (Two) Years	116.42	86616.48	18%	102207.45	
140	ITEM 140	Cleaning of DSL insulatorsof EOT cranes, as per Scope of Work	1200.00	NO	2 (Two) Years	30.55	36660.00	18%	43258.80	
141	ITEM 141	ReplacementofDSLinsulators of EOT crane, as per Scope of Work	41.00	NO	2 (Two) Years	1409.73	57798.93	18%	68202.74	
142	ITEM 142	Cleaning of cable trenches, as per Scope of Work	1450.00	METER	2 (Two) Years	49.90	72355.00	18%	85378.90	
143	ITEM 143	House keeping of SWGR rooms., as per Scope of Work	992400.00	SQM	2 (Two) Years	0.29	287796.00	18%	339599.28	

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1	2	3	4	5	6	7	8	9	10	11
144	ITEM 144	Cleaning of cable tray in boiler & ESP area, as per Scope of Work	8.00	EACH	2 (Two) Years	16024.42	128195.36	18%	151270.52	
145	ITEM 145	Cleaning of Cable Spreader Rooms, as per Scope of Work	4.00	NO	2 (Two) Years	16315.41	65261.64	18%	77008.74	
146	ITEM 146	ESPHtr replacement-Hopper Heater, as per Scope of Work	124.00	NO	2 (Two) Years	842.57	104478.68	18%	123284.84	
147	ITEM 147	ESPHtr replacement-Shift Insulator Heater, as per Scope of Work	20.00	NO	2 (Two) Years	842.57	16851.40	18%	19884.65	
148	ITEM 148	ESPHtr replacement-Sup Insulator Heater, as per Scope of Work	41.00	NO	2 (Two) Years	1123.43	46060.63	18%	54351.54	
149	ITEM 149	33KV cable laying on tray upto 80mm over, as per Scope of Work	150.00	METER	2 (Two) Years	202.11	30316.50	18%	35773.47	
150	ITEM 150	33KV Cable laying below ground level up to, as per Scope of Work	150.00	METER	2 (Two) Years	555.02	83253.00	18%	98238.54	
151	ITEM 151	33KV cable dismantling & re-laying up to, as per Scope of Work	150.00	METER	2 (Two) Years	224.57	33685.50	18%	39748.89	
152	ITEM 152	Dismantling of 33KV cable upto 80mm over, as per Scope of Work	150.00	METER	2 (Two) Years	202.11	30316.50	18%	35773.47	
153	ITEM 153	End termination(Outdoor) of 33KV XLPE ca, as per Scope of Work	1.00	NO	2 (Two) Years	4455.68	4455.68	18%	5257.70	
154	ITEM 154	End termination(Outdoor) of 33KV XLPE ca, as per Scope of Work	1.00	NO	2 (Two) Years	31101.31	31101.31	18%	36699.55	
155	ITEM 155	ESPS Support insulator replacement, as per Scope of Work	3.00	NO	2 (Two) Years	18430.67	55292.01	18%	65244.57	
156	ITEM 156	ESP Shaft insulator replacement, as per Scope of Work	3.00	NO	2 (Two) Years	10436.50	31309.50	18%	36945.21	
157	ITEM 157	EOT Crane maintenance, as per Scope of Work	10.00	NO	2 (Two) Years	8916.75	89167.50	18%	105217.65	
158	ITEM 158	Hoist maintenance, as per Scope of Work	20.00	NO	2 (Two) Years	1006.66	20133.20	18%	23757.18	

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159	ITEM 159	Electrical Module Maintenance, as per Scope of Work	16.00	NO	2 (Two) Years	421.29	6740.64	18%	7953.96	
160	ITEM 160	ESP EC panel maintenance, as per Scope of Work	92.00	NO	2 (Two) Years	105.32	9689.44	18%	11433.54	
161	ITEM 161	LT air circuit Breaker maintenance, as per Scope of Work	150.00	NO	2 (Two) Years	346.65	51997.50	18%	61357.05	
162	ITEM 162	Maintenance of ADP Heater, as per Scope of Work	10.00	NO	2 (Two) Years	1602.44	16024.40	18%	18908.79	
163	ITEM 163	Erection of JB without material Supply, as per Scope of Work	700.00	KG	2 (Two) Years	94.98	66486.00	18%	78453.48	
164	ITEM 164	Temporary Laying of LT cables of Differe, as per Scope of Work	1300.00	METER	2 (Two) Years	30.55	39715.00	18%	46863.70	
165	ITEM 165	Dismantaling of temporary laid LT cables, as per Scope of Work	1300.00	METER	2 (Two) Years	30.55	39715.00	18%	46863.70	
166	ITEM 166	Local LT panel maintenance, as per Scope of Work	100.00	NO	2 (Two) Years	210.64	21064.00	18%	24855.52	
167	ITEM 167	Assistance in maintenance of HT Circuit, as per Scope of Work	220.00	NO	2 (Two) Years	52.66	11585.20	18%	13670.54	
168	ITEM 168	Transportation of Switchgear panels and, as per Scope of Work	700.00	KG	2 (Two) Years	28.49	19943.00	18%	23532.74	
169	ITEM 169	Maintenance of VFD panel, as per Scope of Work	30.00	NO	2 (Two) Years	1089.40	32682.00	18%	38564.76	
170	ITEM 170	EarthEqswithoutsuplyofmatlsGIstr50x6mm, as per Scope of Work	115.00	METER	2 (Two) Years	249.13	28649.95	18%	33806.94	
171	ITEM 171	EarthEqswithoutsuplyofmatlsGIstr25x3mm, as per Scope of Work	19.00	METER	2 (Two) Years	249.13	4733.47	18%	5585.49	
172	ITEM 172	EarthEqswithoutsuplyofmatlsGIstr25x6mm, as per Scope of Work	1.00	METER	2 (Two) Years	249.13	249.13	18%	293.97	
173	ITEM 173	EarthEqswithoutsuplyofmatlsGIwire8SWG, as per Scope of Work	95.00	METER	2 (Two) Years	83.04	7888.80	18%	9308.78	

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174	ITEM 174	EarthEqswithoutsuplyofmatlsGIwire6SWG, as per Scope of Work	3.00	METER	2 (Two) Years	83.04	249.12	18%	293.96	
175	ITEM 175	EarthEqswithoutsuplyofmatlsFlexible6SWG, as per Scope of Work	1.00	METER	2 (Two) Years	83.04	83.04	18%	97.99	
176	ITEM 176	Cabledismantlngbelow grnd lvl upto 52 mm, as per Scope of Work	2500.00	METER	2 (Two) Years	104.17	260425.00	18%	307301.50	
177	ITEM 177	Cabledismantlngbelow grnd lvl 52-72mm, as per Scope of Work	700.00	METER	2 (Two) Years	173.13	121191.00	18%	143005.38	
178	ITEM 178	Transportof cable outside plant premises, as per Scope of Work	37.00	MT	2 (Two) Years	6533.51	241739.87	18%	285253.05	
TOTAL AMOUNT INCLUSIVE OF ALL TAXES (This total amount inclusive of GST is to be quoted in GeM Portal)=							11891643.50		14032139.33	
Select Percentage Quoting (+/-)							Select		14032139.33	

The total offer value inclusive of GST (for regestered Vendor), which is to be filled in GeM Portal Quotation Field = 14032139.33

NOTE

- 1 GST@18% or As applicable as per Govt. Norms
- 2 GST CESS @ 0%.