TENDER No.:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 1 of 120

NOTICE INVITING TENDER (NIT)

(CAPTIVE POWER PLANT, NALCO, ANGUL)

RFP No:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

DATE: 22/09/2025

SUB:

AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 2 of 120

INDEX

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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 3 of 120

31.	Contractor's obligations and Penalty		26			
32.	Recovery towards Compensation for delay		26			
33.	Blacklisting/Banning/Suspension/Delisting/Holiday List		26-28			
34.	Termination of Contract		28			
35.	Arbitration		28			
36.	Contract Closure		28			
37.	Energy management system		28			
38.	Mandatory guideline for saving energy		28-29			
39.	Energy Policy		29			
40.	Owner's Right to Accept or Reject a Bid		29			
41.	Safety guidelines	Annexure-A2	30-31			
42.	PPE Matrix/Requirements	Annexure-A3	32-35			
43.	Environmental policy	Annexure-A4	36			
44.	1 0					
45.	Social Accountability (SA) / Energy policy	Annexure-A6	39			
46.	General Environment Requirement / Minimum safety equipment	Annexure-A7	40			
47.	General Guideline to bidder on Reverse Auction	Annexure-A8	41-42			
48.	Proposed site organization		43			
49.	Compliance to Integrity pact		43-44			
50.	Compliance to PPP-MII Order 2017(Amended on 16.09.2020)	Annexure-A9	45-47			
51.	Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017	Annexure-A10	48-50			
	PART-B		51			
	Contract Specific information					
1.	Contract details & PQC (Technical / Financial)	Annexure-B1	52-55			
2.	Scope of Work (SOW)	Annexure-B2	56-62			
3.	Special Conditions of Contract (SCC)	Annexure-B3	63-65			
4.	Price Bid (Quantity & Rate Schedule)	Annexure-B4	66			
5.	Minimum Wages of Contract & List of PPE	Annexure-B5	67&68			
	PART-C		69			
	Formats for contract execution					
1.	Forwarding letter and Undertaking	Annexure-C1	70			
2.	Mandatory information of the bidder	Annexure-C2	71			
3.	Deviation statement	Annexure-C3	72			
4.	Declaration by bidder	Annexure-C4	73			
5.	Undertaking on downloaded tender	Annexure-C5	74			
6.	Detailed work order execution statistics	Annexure-C6	75			
7.	Financial details of Turnover/Networth	Annexure-C7	76			
8.	Details of present commitments	Annexure-C8	77			
9.	Tax invoice	Annexure-C9	78			
10.	Bank Mandate for e-Payment	Annexure-C10	79			
11.	Indemnity Bond – FIM	Annexure-C11	80-81			
12.	Bank Guarantee E.M.D (Earnest Money Deposit)	Annexure-C12	82-83			



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 4 of 120

13.	Bank Guarantee CPGB	Annexure-C13	84-85	
14.	Bank Guarantee Performance Security Annexure-			
15.	Bank Guarantee FIM / Equipments taken outside the plant	Annexure-C15	88-89	
16.	Bank Guarantee Advance	Annexure-C16	90-91	
17.	List of standardized banks	Annexure-C17	92	
18.	SAC codes for Services & HSN codes for supply	Annexure-C18	93	
19.	Relationship with BoD	Annexure-C19	94	
20.	Relationship with other employees of NALCO	Annexure-C20	95	
21.	Pre-contract Integrity pact	Annexure-C21	96-101	
22.	Affidavit for Litigation History Claim/	Annexure-C22	102	
23.	Agreement	Annexure-C23	103-104	
24.	Commercial questionnaire	Annexure-C24	105-107	
25.	Checklist for bidder	Annexure-C25	108-109	
26.	Checklist for submission of offer	Annexure-C26	110-112	
27.	Appendix for documents to be submitted by bidder	Annexure-C27	113	
28.	No Claim/No due certificate	Annexure-C28	114	
29.	Work Completion Certificate	Annexure-C29	115	
30.	Partial Work Completion Certificate	Annexure-C29	116	
		A		
31.	Anti-Profiteering Declaration Format (To be submitted with Bid)	Annexure-C30	117	
32.	Anti-Profiteering Declaration Format (To be submitted at the	Annexure-C31	118	
	time of release of Final Due)	4 0	1100100	
33.	Declaration by Bidder for Implementation of Integrity	Annexure-C32	119&120	
			i e	



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 5 of 120

PART –A

General information



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Doma: 6 of 190

Page: 6 of 120

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, Alumna 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 7 of 120

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

120

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 <u>Annexure-A9</u> (Preference to Make in India 2017), <u>Annexure-A10</u> (Restrictions under Rule 144 (xi) of GFR 2017), <u>Annexure-C19</u> and <u>Annexure-C20</u> (regarding declaration of the relatives in Nalco) and <u>Annexure-C3</u> (Deviation statement to the tender terms and conditions) and <u>Annexure-C4</u> (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.

AMC FOR ILLUMINATION, FIRE ALARM & Subject: DETECTION AND VENTILATION SYSTEM IN CPP

Page: 8 of 120

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.

- 6.1 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.
- **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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 9 of 120

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 <u>Annexure-B2</u>. The work shall be carried out as per direction of Engineer-in-charge/Manager-in-charge subject to special condition of contract given in <u>Annexure-B3</u>.

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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 10 of 120

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 <u>Annexure-C22</u>. 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

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

Bank transfer details of EMD to be provided.

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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 11 of 120

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 (<u>Annexure-C17</u>) 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 12 of 120

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 (<u>Annexure-C11</u> to <u>Annexure-C16</u>) should be issued by approved Banks listed at <u>Annexure-C17</u> 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.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 13 of 120

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 hid.
- 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 14 of 120

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 sepecification, 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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 15 of 120

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 <u>Annexure-B1</u>. 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 Indent / 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 (<u>Annexure-B1</u>) 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 <u>safety manual</u> 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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 16 of 120

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 (<u>Annexure-A6</u>). 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.

	following Dos & Don is white 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.
	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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 17 of 120

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.

AMC FOR ILLUMINATION, FIRE ALARM & Subject: DETECTION AND VENTILATION SYSTEM IN

Page: 18 of 120

- **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.
- Contract Labour (R&A Act, 1970) 18.1.14

19.0 GATE PASS & SECURITY:

- 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 S1. 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)

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 19 of 120

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 <u>Annexure-C15 & Annexure-C11</u>).
- **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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 20 of 120

21.2 Power and Water Supply to Contractor's <u>Establishment</u>: 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-cumstore 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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 21 of 120

22.0 QUANTITY & RATE:

22.1 The quantity & rate schedule format is enclosed at <u>Annexure-B4</u>. Bidders are required to quote their rates in figures as well as words in the enclosed <u>Annexure-B4</u> 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 22 of 120

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 <u>REVISED PRICE IMPLICATION</u>:

- 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 23 of 120

25.1.4 The contactor should submit the GST Invoice as per the format <u>Annexure-C9</u> 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-Profiteering 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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 24 of 120

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-Profiteering 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 25 of 120

- 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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 26 of 120

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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 27 of 120

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.
- **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-incharge, 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:



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 28 of 120

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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 29 of 120

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 30 of 120

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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 31 of 120

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.
- 5- 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.
 - 1. 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.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 32 of 120

ANNEXURE-A3

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

(PPE MATRIX)

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

PP

Page: 33 of 120

PPE MATRIX (CPP PLANT)

Major activity	Safata	Safaty	Safety	Hand Gloves	Face	Safety	Dust	Ear	Personal	C_{rowl}	SCBA
uriajoi activity		-	Goggles		Shields		control			board	
	Bilde	Hennet	Guggies		Billelus	Den		muffs		boaru	seis
Working at	Y	Y	Y	Y	NR	Y	Y	Y	NR	NR	NR
height					1111	1				INIU	
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	Y	Y	Y	Y	NR	Y	Y	Y	Y	NR	Y

 $\label{eq:Note:Y-yes} \textbf{Note:} Y-yes, \ NR: \ not \ required, \ SCBA: self \ contained \ breathing \ apparatus, \ PPE: personal \ protective \ equipment.$

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

AMC FOR ILLUMINATION, FIRE ALARM & Subject: DETECTION AND VENTILATION SYSTEM IN

Page: 34 of 120

AREA WISE / JOB WISE PPE REQUIREMENTS SMELTER PLANT **CARBON AREA POT LINE (Mechanical & Operation)** Industrial Safety Shoes with 4" ankle height as per IS 15298 Part 1. Industrial Safety Shoes with 4" ankle height as per IS 15298 1. 2-2002 OR its equivalent. Part 2-2002 or its equivalent. For Bake Oven area Industrial Safety Shoes with 4" ankle height Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 having Nitrile sole as per IS 15298 Part-II -2002 or its equivalent. or its equivalent. Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or Safety Helmet as per IS 2925:1984, material HDPE. Safety Goggles as per IS 5983 or its equivalent. Safety Helmet as per IS 2925:1984, material-HDPE. HF Nose Mask shall be FFP2 SL as per IS 9473-2001 or its 5. Full body harness as per IS 3521 or its equivalent. equivalent. Cotton / Leather Hand Gloves as per latest IS mark or its Cotton / Leather Hand Gloves as per latest IS mark or its equivalent. equivalent 7. Dust / Mist Respirator shall be FFP2 SL Class as per IS: 9473-Safety helmet with visor as per latest IS or its equivalent. Ear Plug / Muff as per latest IS or its equivalent. 2002 or its equivalent. Apron (Pin repair Shop) Apron, Leg Guard as per latest IS or its equivalent. 9. Head Cover & Apron (Coke & Pitch handling area) 10. Full body harness as per IS 3521 or its equivalent 10. Pitch / Fume respirator as per IS 14166:1994 or its equivalent. 11. Safety Helmet with visor as per latest IS or its equivalent {for induction furnace & ladle cleaning of RS (O)}. 12. Safety goggle with blue glass as per latest IS or its equivalent {for induction furnace & ladle cleaning of RS (O)} 13. Special nose mask against fumes & odour as per latest IS or its equivalent for Baking Furnace. 2. **CIVIL WORK** HORTICULTURE WORK Protective Footwear as per latest IS mark or its equivalent Protective Footwear as per latest IS mark or its equivalent 1. (Ladies & Gents). (Ladies & Gents). Safety Helmet as per IS 2925:1984, material HDPE. Safety Helmet as per IS 2925:1984,material HDPE 2 3. Dust / Mist Respirator shall be FFP2 SL class as per IS: Safety Goggles as per IS 5983. 9473-2002 or its equivalent. 4. 4. Hand Gloves 2002 Cotton Hand Gloves & Rubber Hand Gloves as per latest IS 5. Full body harness as per IS 3521 or its equivalent Safety Net as per latest IS mark. mark. Organic vapor nose mask as per latest IS mark or its equivalent. Full body harness as per IS 3521 or its equivalent MISCELLANEOUS WORK 3. CAST HOUSE (Mechanical & Operation) & Rolling Plant **02)** Industrial Safety Shoes with 4" ankle height as per IS 15298 MES, CRS, CENTRAL STORES, LAB, UTILITY & Part 2-2002 or its equivalent. DESPATCH, FINANCE, PLANT HRD & ADMINISTRATION. Safety Helmet as per IS 2925:1984,material HDPE 03) Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent 1. Industrial Safety Shoes as per IS 15298 Part 2-2002/ or its 04) Safety Helmet as per IS 2925:1984,material HDPE equivalent/Protective Footwear as per latest IS mark or its **05)** Safety Goggles as per IS 5983 or its equivalent. equivalent (Ladies & Gents). 06) Cotton / Leather Hand Gloves Safety Goggles as per IS 5983.

- 07) Dust / Mist Respirator 08) Leather Leg Guard
- 09) Helmet with Visor (Skimming Area)
- 10) Apron (Direct Sow Casting Area & Ingot Skimming Station)
- 11) Ear Plug / Muff (Billet Casting Area) of latest IS mark.
- 12) Full body harness as per IS 3521 or its equivalent 13) Safety helmet with visor as per latest IS or its equivalent

- Dust / Mist Respirator shall be FFP2 SL class as per IS:9473-

- Cotton / Leather Hand Gloves
- Ear muff/Ear plug (Utility) of latest IS mark or its equivalent.
- Dust / Mist Respirator shall be FFP2 SL class as per IS: 9473-5. 2002.
- Rubber / Surgical hand gloves (for acid / alkali use and at the time of chemical analysis) Lab.
- 7 Full body harness as per IS 3521 or its equivalent
- Safety helmet with visor as per latest IS or its equivalent

ELECTRICAL WORKS 4.

- Industrial Safety Shoes with 4" ankle height as per IS 15298 or its equivalent.
- Ladies Industrial Safety Shoes low ankle as per IS 15298:2011 or its equivalent. 3. Safety Helmet as per IS 2925:1984, material HDPE or its equivalent
- Safety Goggles of latest IS mark or its equivalent.
- Rubber Hand Gloves (for 6.6 / 11 KV test) as per latest IS or its equivalent.
- Dust / Mist Respirator of latest IS mark or its equivalent.
- Full body harness as per IS 3521 or its equivalent.

Note: 1. The PPEs issued must confirm to latest IS / DGMS approved or its equivalent standard.

2. In case of damage of any PPE of workmen the same shall be replaced by the contractor irrespective of the time of use.

3. Frequency of issue

SI	SI 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		

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 35 of 120

PPE REQUIREMENTS IN VARIOUS AREAS OF CPP

1	MEGIIANICAI ADEA	C	DOMED HOLIGE ODED VILON:
1.	MECHANICAL AREA	6.	POWER HOUSE OPERATION:
	(i) Industrial Safety Shoes as per IS 15298 Part-II-		(i) Industrial Safety Shoes as per IS 15298 Part-II-2002
	2002 or its equivalent.		or its equivalent.
	(ii) Safety Helmet as per IS 2925:1984, material-		(ii) Safety Helmet as per IS 2925:1984, material-HDPE
	HDPE or ABS.		or its equivalent.
	(iii) Full body harness as per IS 3521 or its equivalent.		(iii) Safety Goggles as per IS 5983 or its equivalent.
	(iv) Cotton/Leather Hand Gloves as per latest IS mark		(iv) HF Nose Mask shall be FFP2 SL as per IS 9473-
	or its equivalent.		2001 or its equivalent
	(v) Dust/Mist Respirator shall be FFP2 SL Class as		(v) Cotton Leather Hand Gloves as per latest IS mark
	per IS:9473-2002 or its equivalent.		or its equivalent.
	(vi) Safety goggles as pr latest IS or its equivalent.		(vi) Ear Plug/Muff as per latest IS or its equivalent.
	(vii) Boiler Suit/Apron.		(vii) Gum boot
	(VII) Bollet Bull/Hproli.		(viii) Boiler suit / apron
2.	CIVIL WORK	7	HORTICULTURE WORK
۷.		′	
	(i) Industrial Safety Shoes as per IS 15298 mark.		(i) Industrial Safety Shoes as per 15298
	(ii) Safety Helmet as per IS 2925:1984, material –		(ii) Safety Helmet as per IS 2925:1984, material HDPE
	HDPE or ABS.		(iii) Safety Goggles as per IS 5983.
	(iii) Dust/Mist Respirator shall be FFP2 SL Class as		(iv) Dust/Mist Respirator shall be FFP2 SL Class as per
	per IS:9473-2002 or its equivalent.		IS:9473-2002.
	(iv) Hand Gloves		(v) Cotton Hand Gloves & Rubber Hand Gloves as per
	(v) Full body harness as per IS 3521 or its equivalent.		latest IS mark.
	(vi) Safety Net as per latest IS mark.		(vi) Full body harness as per IS 3521 or its equivalent.
	(vii) Gum Boot depending on job requirement		
	(viii) Safety Goggles		
3.	CHP WORK	8	MISCELLANEOUS WORK AREAS:
	(i) Industrial Safety Shoes with as per IS 15298 Part-		(i) Industrial Safety Shoes as per 15298
	II-2002 or its equivalent.		(ii) Safety Helmet as per IS 2925:1984, material HDPE
	(ii) Safety Helmet as per IS 2925:1984, material-		(iii) Safety Goggles as per IS 5983.
	HDPE.		(iv) Cotton/Leather Hand Gloves
	(iii) Safety Goggles as per IS 5983 or its equivalent.		(v) Ear Muff/Ear Plug (Utility) of latest IS mark or its
	(iv) Cotton/Leather Hand Gloves.		equivalent.
	(v) Dust/Mist Respirator		(vi) Dust/Mist Respirator shall be FFP2 SL class as per
	(vi) Ear Plug/Muff of latest IS mark.		IS: 9473-2002.
	(vii) Full body harness as per IS 3521 or its equivalent.		(vii) Rubber/Surgical Hand Gloves (for acid/alkali use
	(viii) Special nose mask for coal dust.		and at the time of chemical analysis) Lab.
	(ix) Gum Boot depending on job requirement.		(viii) Full body harness as per IS 3521 or its equivalent.
	(x) Full body Apron.		
4.	ELECTRICAL WORKS:		
	(i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or		
	(ii) Safety Helmet as per IS 2925:1984, material-HDPE or i	ts eq	uıvalent.
	(iii) Rubber Hand Gloves as per latest IS or its equivalent.		
	(iv) Dust/ Mist Respirator of latest IS mark or its equivalen	ıt.	
	(v) Full body harness as per IS 3521 or its equivalent.		
	(vi) Arc flash suit / apron / jacket.		
	(vii) Safety Goggles		
5	DM Plant & Water Treatment Plant:		
	(i) Industrial Safety Shoes as per IS 15298 Part-II-2002 or		quivalent.
	(ii) Safety Helmet as per IS 2925:1984aterial-HDPE or AQI		
	(iii) Hand Gloves for chemical handling as per latest IS or it	_	uvalent.
	(iv) Dust/ Mist Respirator of latest IS mark or its equivalent	t.	
	(v) Full body harness as per IS 3521 or its equivalent.		
	(vi) Acid / Alkali suit / apron / jacket.		
i	(vii) Safety Goggles		

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

Note

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

3. Frequency of issue:

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 36 of 120

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.

Chairman-cum-Managing Director

Date: 30.09.2020

Place: Bhubaneswar

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 37 of 120

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

Chairman-cum-Managing Director

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 38 of 120

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 Sd.

Date: 30.09.2020 Chairman-cum-Managing Director

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 39 of 120

ANNEXURE-A6

SOCIAL ACCOUNTABILITY POLICY

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

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

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

This policy is communicated and understood within the organization.

Sd/Date: 23.02.2017 Chairman-cum-Managing Director

ENERGY POLICY

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

Guiding Principles

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

Commitment

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

Sd/-

Chairman-cum-Managing Director

AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 40 of 120

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.
- 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.
- While working on a height, Safety belt must be used by the workers.
- Suitable face mask must be used the contract workers while working out painting jobs.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

F

Page: 41 of 120

ANNEXURE-A8

GENERAL GUIDELINE TO BIDDER ON REVERSE AUCTION (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.



ubject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 42 of 120

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.

AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 43 of 120

PROPOSED SITE ORGANISATION

NAME OF TENDERER:

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

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

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

COMPLIANCE TO INTEGRITY PACT:

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

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

1. Independent External Monitors (IEMs)

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

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

Smt. Deepa Krishan IRS (Retd.)
E-mail: deepakrishan@gmail.com
Dr. Meeran C Borwankar IPS (Retd.)
E-mail: mcborwankar@gmail.com
Mr. Hare Krushna Das, IAS (Retd.)
E-mail: hkdash184@hotmail.com

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

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

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



AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 44 of 120

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 .

AMC FOR ILLUMINATION, FIRE ALARM & Subject: DETECTION AND VENTILATION SYSTEM IN

Page: 45 of 120

ANNEXURE A9

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

- 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.
- 2.0For the purpose of this order dtd. 16.09.2020:-
- Local content means the amount of value added in India which shall, unless otherwise 2.1 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.
- 22 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.
- '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).
- 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
 - 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 46 of 120

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

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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 47 of 120

(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: _______

Signature

Name:

Designation:

Contact No.:



AMC FOR ILLUMINATION, FIRE ALARM & Subject: DETECTION AND VENTILATION SYSTEM IN

Page: 48 of 120

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;
- 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;
- 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;

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 49 of 120

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 <u>Competent Authority</u>. 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 50 of 120

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 SIGNATOR	Y OF THE FIRM	
I, the undersigned,	(full names),	
do hereby declare, in my capacity as		
of M/s	(name of bidder entity), that:	
 The facts contained herein are within my own personal knowledge. I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul Restrictions under Rule 144 (xi) of the General Financial Rules (Comprocurement from a bidder of a country which shares a land border). 	GFRs), 2017 regarding restrictions on	
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 of been registered with the Competent Authority. I hereby certify that the in this regard and is eligible to be considered. [Where applicable, Competent Authority is attached].	his SUPPLIER fulfils all requirements	
4) I understand that the submission of incorrect data and / or if continuous false, this would be a ground for immediate termination and further per Clause 12 of the Public Order on Restrictions under Rule 144 (GFRs), 2017	(name of bidder entity) is found to be legal action in accordance with law as	
AUTHORISED SIGNATURE: Seal / Stamp of Bidder	DATE:	



TENDER No.:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 51 of 120

PART –B

Contract specific information

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 52 of 120

$\frac{\text{ANNEXURE-B1}}{\text{CPP T&C DEPARTMENT}}$ Web site: www.nalcoindia.com CONTRACT DETAILS

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

Page 1 of 2

	10° 1 02/01/1/1D1 1/1/02	<u> 1 ago 1 01 2</u>	
1.0	Name of the Work	AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP	
1.1	Nature of the Work	REVENUE	
1.1(i)	Details of "Items Critical to quality" in case of "Specialized Jobs".	Not Applicable	
1.1(ii)	Minimum Workable offer if applicable (Additional performance Guarantee Bond in case of abnormal low bid)	NOT APPLICABLE Clause No.22.2 of Annexure-A1 may be referred for detail	
1.2	Location of the work	INSIDE PLANT PREMISES	
2.0	NIT reference	MC-5545	
3.0	Contract Period	24 (TWENTY FOUR) MONTHS	
4.0	No.of Agency required and %distribution of work(subject to availability of bidders)	a) Number of Agency: 01 (One) b) Distribution of Work: 100 %	
4.1	Mode of tendering	OPEN Reverse Auction	
4.2	Type of bidding	TWO PART KEVELSE Auction	
4.3	E.M.D. amount	Rs.1,25,000/-(Rupees One Lakh Twenty Five Thousand only) (Ref. Clause 4.0 of Annexure-A1).	
5.0	Tender e-Submission Start Date/Time.	As per GeM Portal	
5.1	Tender e-Submission Last Date/Time.	As per GeM Portal	
6.0	e-Tender Opening Date/Time	As per GeM Portal	
7.0	Validity of Offer	04 (Four) Months from the original date of Tender Opening / last Extended tender opening date, if extension done (As per GeM Portal).	
8.1	Bank Guarantee / Indemnity Bond value Against Free Issue Materials.	(i) B.G: Not applicable. (ii) I.B: Not applicable. (Ref clause no:20.2 of Annexure-A1)	
8.2	Bank Guarantee against spare materials / equipments taken outside the Plant.	(i) B.G: Not applicable. (Ref clause no:20.2 of Annexure-A1)	
9.0	Defect Liability Period	12 (Twelve) Months (Ref clause 30 of Annexure-A1)	
10.1	Current minimum daily wages of all categories of labour	Refer Annexure-B5	
10.2.1	The values of L_0 and Y applicable (L_0 =Minimum labour rate) (Y =Labour component)	L ₀ = Rs. 626.12, Y _L = 76.12 %. (Ref Annexure-B5)	
10.2.2	The values of D_0 and Y applicable (D_0 = Diesel rate at Angul at the time of tendering) (Y = Fuel cost component)	Not applicable.	
10.3.1	Labor hike reimbursement against change in minimum wages.	Applicable (To be Reimburshed as per Actual) (Ref clause-28.0 of Annexure-A1)	



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 53 of 120

Form no: F-02/CNT/IDPM/02 Issue No.:002 Rev.: 00 Page 2 of 2

10.3.2	Fuel escalation against change in Fuel	Not applicable.
	Price	(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 &	Applicable as per CGST/ SGST/ UTGST &
	Applicability of GST & ITC on GST	IGST
		(Ref Clause No.25 of Annexure-A1)
12	Service Accounting Code (SAC) of the	Applicable.(SAC NO-996912)
	contract/Harmonized system of	(Ref Annexure-C18)
	nomenclature (HSN) code	
13	Recovery towards compensation for delay	Ref clause no: 32 of Annexure-A1.
14	Recovery of Building and Other Const.	Not Applicable
	workers' BOCW (RE& CS) Cess.	(Ref clause no:27.8 of Annexure-A1)
15	Gate pass details	S.W-11 Nos./ S.S.W- 01No. / U.S.W- 08 Nos.
16	Integrity Pact	Applicable
17	Declaration by Bidder for Implementation of Integrity (ANNEXURE-C32)	Not applicable
10		Applicable (Applicable of per Clause No. 94.0 of
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. (APPLICABLE)		

Kirti Khaira

Tender Inviting Authority Tender & Contract Dept., CPP

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page: 54 of 120

SUB: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

AGENCIES INTENDING TO PARTICIPATE SHALL FULFILL THE FOLLOWING MINIMUM PRE-QUALIFICATION CRTIERIA (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
The bidder should have experience of having successfully completed

"Similar Work" during the last seven years ending on last day of the month previous to the one in which NITs are invited, should be either of the followings;

 Three similar completed/partially completed works each (with above criteria) having executed value not less than Rs.
 26.56 lakhs (Rupees twenty-six lakh & fifty-six thousand only).

OR

ii. Two similar completed/partially completed works each (with above criteria) having executed value not less than Rs. 33.20 lakhs (Rupees thirty-three lakh & twenty thousand only).

OR.

iii. One similar completed/partially completed work (with above criteria) having executed value not less than Rs. 53.12 lakhs (Rupees fifty-three lakh & twelve thousand only).

The work experience should be of "Working directly" and possess relevant experience as per the details given under experience criteria. "Working directly" implies, working as a Contractor or Sub Contractor under above authorities who is the Principal Owner of the work.

Evaluation criteria: Cost of the completed works by the bidder shall be escalated @ 10% per annum (simple rate) to bring them at the current price level.

(The cost of work completed within one year prior to original date of bid opening shall not be considered for any weightage. The weightage shall only be considered for work completed prior to one year of original date of bid opening on annual basis and no weightage shall be given for part of the year)

- 1. "Similar Work" means "General Electrical Maintenance work in an industrial set up."
- 2. The bidder should possess a valid & up-to date MV (or above) Electrical Contractor's License issued/endorsed by ELBO (Electrical Licensing Board of Odisha).

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

Documentary proof

- The bidder should submit copy of following documents duly attested by a notary public or Gazetted officer.
 - a) Work Order with value along with 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 MV (or above)
 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

Kirti Khaira

Tender Inviting Authority Tender & Contract Dept., CPP

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 55 of 120

B) FINANCIAL

	Eligibility criteria	Documentary proof		
1.	The average annual turnover of the vendor for last three	The bidders have to submit the copies of		
	financial years should be minimum Rs. 19.92 Lakhs (Rupees	audited financial statements and profit & loss		
	Nineteen lakh & ninety-two thousand only).	accounts of the relevant years duly attested by a Notary Public or Gazetted Officer in support		
	(Turn over shall be escalated @10% per annum (simple rate) to	of both the qualifying criteria of turnover and		
	bring them at the current price level. The turnover of the			
	latest previous year shall not be considered for any weightage).			
2.	Net worth of the bidder during the last financial year shall be			
	positive as per audited balance sheet.			
Note: (For bids received prior to 30th June of any year, the financial figure for the previous to previous year may also be considered for evaluation. Whereas for bids submitted after 30th June, the bidder may also submit financial statement for the previous year certified by Chartered Accountant/Auditor for consideration of their bid.)				

C) CRIMINAL BACKGROUND:

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

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

Note:

- 1. Bidders have to declare all the work orders submitted against technical PQC in Annexure-C6, along with page reference.
- 2. Agencies intending to participate shall fulfill minimum Pre-Qualification Criteria (With supporting documents & they need to fill up <u>Annexure-C25</u> To <u>Annexure-C27</u> Of The NIT. All the supporting documents submitted should be attested by a Notary Public or A Gazette Offer. They also have to submit EMD.
- 3. The bidder needs to submit (upload) the photocopies of all brief orders presently under execution by them as a part of their present / concurrent commitment (where ever applicable).
- 4. The value indicated in the experience criteria against 03 (Three) OR 02 (Two) OR 01 (One) work order are excluding all taxes and duties. Therefore, value in work order and completion certificate of the vendor will be considered excluding all the taxes and duties.
- 5. 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.

Kirti Khaira

Tender Inviting Authority Tender & Contract Dept., CPP

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 56 of 120

ANNEXURE-B2

SCOPE OF WORK

SUB: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

- 1. Sl. No. 01: Replacement of closed type tube light: The scope covers replacement of non-working tube light fitting with a new working one. It means the party has to takeout the damage fitting and replace it with a new fitting after cleaning the inside and outside area of the fitting with marking cloth or blower as per requirement. Issuing of material from store and transporting to the work site is in scope of the party. All consumables like markin cloth, PVC tape etc. are also in scope of the party. After replacement, the system is to be tested and keep in working condition to the satisfaction of Manager-in-charge.
- 2. Sl. No. 02 to 06: Replacement of close tube light spares: The scope covers dismantling of damage spare and replacing it with a new working spare component. All the lighting spares are in the scope of NALCO. All consumables like markin cloth, PVC tapes etc. are in the scope of the party. After replacement, the system is to be tested and keep in working condition to the satisfaction of Manager-in-charge.
- 3. Sl. No. 07: Replacement of open type tube light: The scope covers replacement of non-working tube light fitting with a new working one. It means the party has to takeout the damage fitting and replace it with a new fitting after cleaning the total area of the fitting with marking cloth or blower as per requirement. Issuing of material from store and transporting to the work site is in scope of the party. All consumables like markin cloth, PVC tape etc. are also in scope of the party. After replacement, the system is to be tested and keep in working condition to the satisfaction of Manager-in-charge.
- **4. Sl. No. 08 to 11: Replacement of open tube light spares:** The scope covers dismantling of damage spare and replacing it with a new working spare component. All the lighting spares are in the scope of NALCO. All consumables like markin cloth, PVC tapes etc. are in the scope of the party. After replacement, the system is to be tested and keep in working condition to the satisfaction of Manager-in-charge.
- 5. Sl. No. 12 to 16: Repair/Replacement of other lighting spares: The scope covers dismantling of damage spare and replacing it with a new working spare component. All the lighting spares like connector, fuse etc. are in the scope of NALCO in case of replacement. The scope also covers repair of non-working components like led driver or led chip set. All consumables like markin cloth, PVC tapes etc. are in the scope of the party. After replacement, the system is to be tested and keep in working condition to the satisfaction of Manager-in-charge.
- **6. Sl. No. 17 to 22: Replacement of light fittings:** The scope covers replacement of non-working light fittings with a new working fitting. It means party has to dismantle the non-working fitting after turning off the power supply (from fuse of JB or main supply which over is required) for safety, then clean the fitting area properly with marking cloth and then installing a new light fitting. Issuing of material and transportation to work site is in scope of the party. All consumables like markin cloth, PVC tape etc. is in the scope of the party. Arrangement of ladder or hydra etc. is in scope of the party.
- 7. Sl. No. 23 to 28: Installation and commissioning of lights with its fitting: The scope covers installation of various lighting fittings on wall, structures, poles, towers, roof etc. along with the light. After installation all required assembling, testing and commission is the scope of the party. All the materials required for fixing arrangement like MS/GI angle/flat, cutting, welding, bolting, painting and all associated works are in the scope of the party. The total process should be as per direction and satisfaction of Manager in-charge.
- **8. Sl. No. 29: Temporary installation of light fittings:** The scope covers temporary installation of flood light fitting or street light fittings with the light, necessary cable laying up to 25 meter length, connection, testing and commissioning on wall, structures, poles, towers, roof etc. as per direction and satisfaction to Manager in-charge. All the materials required for fixing arrangement, cutting, welding, bolting and all associated works are in the scope of the party. If required, cables excess of 25 meter length shall be laid & billed under temporary cable laying.
- **9. Sl. No. 30 to 32: Dismantling and shifting of material:** The scope covers dismantling of various electrical items as mentioned in the BOQ, transportation to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- 10. Sl. No. 33: Reconnection of street light fittings to O/H lines: The scope covers reconnecting street light fittings to O/H lines in case of fault in line or breakdown of light poles when nearby O/H line pole is available or for any other reason. All the materials required for fixing arrangement like MS/GI angle/flat, cutting, welding, bolting, painting, PVC tape and all associated works are in the scope of the party. The total process should be as per direction and satisfaction of Manager in-charge.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 57 of 120

11. Sl. No. 34: Rectification of Circuit fault: Detection and rectification of circuit fault including replacement of fuse, cut out, wire jointing, cleaning etc. are covered in the scope of work. All consumables are in the scope of the party.

- **12. Sl. No. 35: Maintenance of PG up to 5 KVA with spares:** The scope covers servicing, maintenance of portable DG/PG set up to 5KVA including supply of fuel, spares etc. All consumables like markin cloth, PVC tapes etc. are in the scope of the party.
- 13. Sl. No. 36 to 42: Cleaning of different items: The scope covers cleaning, removal of cobwebs, ash & coal dust, dirt, grease, oil etc. of the mentioned items. Cleaning to be done at the location, if required to be dismantled and fixed back. Detergent, markin clothes, brushes are to be used for cleaning purpose are in the scope of the party.
- 14. Sl. No. 43 to 59: Repair & replacement of LTG & panel board components: The scope covers dismantling, cleaning, servicing, maintenance, replacement of electrical fittings, components like switch, socket and all other items like fuse, SFU etc. as mentioned in the BOQ. All the consumables, lugs, sockets, hard wares are in the scope of the party. After replacement, the systems is to be tested and keep in working condition to the satisfaction of Manager-incharge.
- **15. Sl. No. 60: Dismantling of Ceiling fan:** The scope covers dismantling of ceiling fans with all its component, transportation of the dismantled items to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- **16. Sl. No. 61: Assembly & installation of ceiling fan:** The scope covers assembling of different components & installation of ceiling fan of any size. All other required tool, if any requirement of soldering or other consumables like markin cloth, PVC tape etc. are in the scope of the party.
- 17. Sl. No. 62 to 64: Overhauling of ceiling fan & Replacement of fan components: The scope covers dismantling, overhauling, varnishing of windings, replacement of components, soldering, testing, checking of power supply etc. of ceiling fan of any size. Oil, greases, varnish, markin cloth are in the scope of the party. Only bearings are to be supplied by Nalco. Tools for above work are in the scope of the party. In case of replacement of fan regulator and capacitor, the materials shall be provided by NALCO
- **18. Sl. No. 65: Dismantling of Exhaust fan:** The scope covers dismantling of Exhaust fan with all its components, transportation of the dismantled materials to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- 19. Sl. No. 66: Installation & Commissioning of Exhaust Fan with making of hole: The scope covers installation and commissioning of exhaust fans after making of hole of proper size on the wall. Wall cutting, chipping, plastering, painting, supply of all materials, hardwires, cement etc. are in the scope of the party. Fan shall be supplied by NALCO. The work shall be completed as per direction and satisfaction of Manager-in-charge.
- **20. Sl. No. 67: Installation & Commissioning of Exhaust Fan without making of hole:** The scope covers installation and commissioning of exhaust fans without making of hole. But if required Wall cutting, chipping, plastering, painting etc. with supply of all materials, hardwires, cement are in the scope of the party. Fan shall be supplied by NALCO. The work shall be completed as per direction and satisfaction of Manager-in-charge.
- **21. Sl. No. 68 to 70: Dismantling of cable:** The scope covers dismantling cable of various size, transportation to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- **22. Sl. No. 71 to 72: Temporary cable Laying:** The scope covers transportation of cables from NALCO store to work site, laying of cables on earth surface, structures, walls as required on temporary basis only. While laying the cable temporarily, the cables are to be placed in such a way that, there should not be any swinging, displacement of the cable in part or whole. Cables are to be tied with structures temporarily with GI wires, ropes etc. to avoid swinging. All the materials like GI wire, rope, trolley, ladder, safety belt etc. are in the scope of the party. The laying shall be done as per direction and satisfaction of Manager-in-charge.
- **23. Sl. No. 73 & 74: Temporary cable Joint:** The scope covers temporary jointing of all types of cables with supply of all required hardware like PVC tapes etc. as per direction and satisfaction to Manager-in-charge.
- **24. Sl. No. 75: Cable Laying on surface:** The scope covers issuing of material from central store and transporting the materials to work site. Cable laying, fixing with saddles, clamps etc. on tray, earth surface, structures, walls etc. in all respect shall be done as per the direction of manager-in-charge. All hard wares & consumables are in the scope of the party. 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. Sl. No. 76: Underground cable Laying: The scope covers issuing of material from central store and transporting it to work site. Excavation of earth (900mm in depth, 300 mm in width) where in 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 25mtr interval



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 58 of 120

and also at the turnings. All equipment for cable laying and its testing such as lifting jack, guide roller, crimping tools, megger, multimeter etc. are 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. All hard wares & consumables are in the scope of the party. The cable laying should be complete in all respect as per IES & the direction of manager-in-charge.

- **26. Sl. No. 77 & 78: Cable Jointing with supply of Joint Kit:** The scope covers supply of reputed ISI marked cable jointing kit, heat shrink type. Jointing of cables should be done by competent professional, as per IS and the direction and satisfaction of manager-in-charge. The party has to ensure proper shut down of electrical power and ground work before taking up the work. For sl. No. 78 the supply kit is above 16 sq.mm and up 50 sq.mm.
- **27. Sl. No. 79 & 80: Cable End termination:** The scope covers glanding, socketing, termination, tightening of cables. Sockets, gland are in the scope of NALCO. All other hardware and tools like PVC tape etc. in the scope of the party.
- **28. Sl. No. 81: Dismantling of LDB/ SFU/ Welding Receptacle:** The scope covers dismantling of lighting boards, Switch Fuse Units and welding receptacles. After complete dismantling the materials are to be transported to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- 29. Sl. No. 82: Painting of Panels: The scope covers cleaning, scraping and painting of panel boards, removal of all dirt, rusts. Painting has to be done with single coat of red oxide primer and two coats of aluminum paint/ synthetic enamel paint. Primer, paint, ladder, brush, safety belt etc. are in the scope of the party. The party has to take enough care to avoid run off of paints.
- **30. Sl. No. 83 to 87: Maintenance of Electrical board, JB, Industrial socket etc.:** The scope covers repair & maintenance of electrical boards. The maintenance includes cleaning external & internal part of the board, de-dusting it by using air blower, checking of tightness of all terminations, bus bar joints, cable socketing, crimping, connection, assembling, fabrication & fixing of GI cover, Checking of IR value of the bus bar, testing and commissioning back as per direction and satisfaction to Manager in-charge. All consumables like diesel, petrol, CRC, markin cloth and maintenance tools are in the scope of the party.
- 31. Sl.No. 88 to 90: Installation of LDB, LJB, Feeder Pillar, Welding Receptacle etc.: The scope covers transportation of electrical panels from NALCO store to work site. Installation, necessary foundation work, fabrication of base frame, cutting, welding, cable socketing, lugging, termination, testing & commissioning of the same in all areas including street lighting as per direction and satisfaction to the Manager in-charge. All foundation materials, MS channels, angles, glands, lugs, sockets and all other required hardware etc. are in the scope of the party. NALCO shall supply JBs, LDB, SLDBs and welding receptacle.
- **32. Sl. No. 91: Repair and maintenance of High Mast JB:** The scope covers repairing of light poles, lighting mast, and gear box as mentioned in the BOQ. The scope also covers dismantling, welding, cutting, repairing, maintenance of the lighting system, as required to make the system in working condition. All the materials required for executing the item are in the scope of the party except lighting materials, cables.
- **33. Sl.No. 92 & 93: Man power assistance**: The scope covers supply of Skilled Worker (SW), semiskilled worker (SSW) category man power to assist in maintenance related works in illumination systems. The party has to supply competent, physically & mentally sound SW/SSW workers who can assist in various works like maintenance & breakdown work, office work, material shifting from Central stores to site store/ work site etc. and to be deployed either in G, A, B or C shift as per NALCO timings and as per direction of Manager in-charge. The Skilled Workers should be able to execute works without the supervision of NALCO, but as per the direction of Manager-in-charge.
- **34. Sl.No. 94: Timer setting:** The scope covers checking of timer, timer circuit, cell replacement, on & off time setting as per requirement, as per direction and satisfaction of Manager-in-charge.
- **35. Sl.No. 95: Power supply:** The scope covers checking and if required then provision of single phase, three phase power supply at various locations/ machines like, welding MCC, aux. MCC, welding receptacles, ELC machine, Grinder machine, Drill machine, cutting machine, Hydro jet pumps, submergible pumps, water pumps etc. Replacement of fuse, fuse base & carrier, MCBs, cable termination/ repairing etc. in such location/ machines are in the scope of the party.
- **36. Sl.No. 96: Welding:** The scope covers welding of metal parts at any location inside and outside the plant. Welding transformer/generator, electrode, transportation of man and machine, all associated works and materials are in the scope of the party and work shall be completed as per direction and satisfaction of Manager in-charge.
- **37. Sl.No. 97: Gas cutting:** The scope covers gas cutting of metal parts at any location inside and outside the plant. Gas cutting sets, transportation of man & machines, all associated work and materials are in the scope of the party and work shall be completed as per direction and satisfaction of Manager in-charge.
- **38. Sl.No. 98: Tree branch cutting**: The scope covers cutting of tree branches at overhead line locations, other locations to facilitate electrical work. The party has to ensure the shutdown of the electrical system while doing work. All the



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 59 of 120

materials required for executing the work including cutting tools, ladders, transport vehicles, safety belt etc. are in the scope of the party. After cutting, tree branches are to be shifted to scrap yard or any designated place as per direction of Manager in-charge.

- **39. Sl.No. 99: Excavation of earth:** The scope covers excavation of earth in all types of soil, back filling, leveling, excess soil removal and dumping outside as per the direction of Manager-in-charge. All material required for the work is in the scope of the party.
- **40. Sl.No. 100: Making of Earth station:** The party has to make the earth pit as per the IS: 3047 and connect it to the electrical installations. Digging of the pit, all the materials like GI pipe electrode, sand, salt, charcoal, GI strip/wire/cable and civil works are in the scope of the party. The earth electrode is to be connected to the electrical systems by 25mm x4 mm GI strip/ 8 SWG GI wire/ suitable cable of two runs as required with facility of disconnection at the electrode end, as per direction of Manager-in-charge.

The earth electrode shall be of 2.5 meter long, 40mm in diameter, 3.25mm thick hot dip heavy gauge GI pipe, tapered finish at bottom, GI 'C' clamp at the top with GI bolt, staggered holes of 12mm diameter at 150mm interval on the electrode pipe, the resistance of each pit should be maintained as per IS. The earth lead shall be fixed to the pipe with 10mm GI bolts. GI pipe with funnel shall be used for watering the electrode. The earth pit should be provided with block masonry chamber with concrete slab cover of 4" thick for housing the electrode & funnel. All the material, hardware and consumables shall be in the scope of the party.

- **41. Sl.No. 101: Supply & installation of earth rod:** The scope covers supply of earth rod & digging of soil for installation of earth rod. The earth rod shall be of (20- 25mm) in diameter, (1.8-2.0 meter) in length, hot dip galvanized iron type. Connection to the nearby electrical installation of maximum 2 meter distance with 8 SWG GI wire with galvanized/cadmium coated nut & bolts. All the work & required materials are in the scope of the party.
- **42. Sl.No. 102 of BOQ: Supply & Installation of GI flat:** The scope covers supply and installation of 25x4mm hot dipped GI flat. Laying, clamping, connection to the electrical system with supply of all hard ware is in the scope of the party. The work has to be completed with the direction and satisfaction of Manager-in-charge.
- **43. Sl. No. 103: Repair of earth pit:** The scope covers repair of the earth pit, block masonry chamber, concrete slab cover housing as per direction and satisfaction of Manager-in-charge. All the materials are in the scope of the party.
- **44. Sl. No. 104: Dismantling of stay set with base plate:** The scope covers dismantling of stay set, transportation of the dismantled material to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- **45. Sl.No. 105 & 106: Erection of stay set:** The scope covers erection of stay set complete with anchor plate, insulator, stay fixing, including soil digging, concreting, supply of all materials, hard wares by the party required for stay erection. Stay set shall be supplied as per BOQ. Work shall be completed as per direction and satisfaction of Manager-in-charge.
- **46. Sl. No. 107: Dismantling of Electrical Pole:** The scope covers dismantling of Lighting poles, transportation of the dismantled material to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- 47. Sl. No. 108 & 109: Erection of Lighting pole: The scope covers issuing and transportation of the Lighting poles from NALCO store to the work site through his own arrangement, excavation, grouting of the soil, making PCC foundation, making of concrete muffing, supply of all material required for making foundation & muffing, supply & fixing of required size GI pipe, installation of the poles, cable lifting, pulling through pipes etc. All arrangements for lifting/holding the poles shall be in the scope of the party. The Pole should be painted with 2 Coats of red oxide primer and 2 coats of aluminum paint/enamel paint. Red-oxide & aluminum paints of reputed make shall be supplied by the party. Lighting poles are in the scope of NALCO.
- **48. Sl. No. 110: Dismantling of Overhead line conductor:** The scope covers dismantling of overhead lines, transportation of the dismantled material to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- **49. Sl. No.111:** Stringing/ Restringing of O/H conductors: The scope covers dismantling, stringing of overhead line conductor, including transportation from NALCO store to site, return of dismantled conductors from site to NALCO store or any designated place, including lifting arrangement, conductor stringing on insulators at pole top as per direction and satisfaction of Manager-in-charge.
- **50. Sl. No. 112: Supply & Installation of GI wire:** The scope covers supply and installation of 8SWG hot dipped GI wire, laying, clamping with all required hard ware and connection to the electrical system complete as per direction and satisfaction of Manager-in-charge.
- **51. Sl. No. 113: Pole painting:** The scope covers cleaning and scraping of Lighting poles by wire brush, removal of all dirt, rusts, painting with single coat of red oxide primer and two coats of aluminum paint/ synthetic enamel paint. Primer, paint, ladder, brush, safety belt etc. are in the scope of the party. All materials used should be of reputed make and are in the scope of the party. The party has to take enough care while carrying out the job.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 60 of 120

52. Sl.No. 114: Making of muffing: The scope covers making of concrete muffing at lighting pole, LT pole, maintaining suitable height, making of in & out cable entry provision by installing 50mm dia. GI pipes, making provision for JB fixing with supply of all materials as per direction of Manager-in-charge.

- **53. Sl.No. 115: Repairing of muffing:** The scope covers dismantling of existing damaged muffing, re-making, repairing of concrete muffing at lighting pole, LT pole, maintaining suitable height, making of in & out cable entry provision with the existing GI pipes, making provision for JB fixing with supply of all required materials as per direction of Manager-in-charge.
- **54. Sl.No. 116 & 117: Installation of GI pole:** The scope covers transportation of materials from Nalco stores to work site, digging of soil to desired depth & dimension, construction of concrete base foundation as per drawing/direction of engineers, installation of GI pole etc. as per direction and satisfaction to the Manager in charge. All materials required for construction of foundation, lifting arrangement, truck, hydra etc. are in the scope of the party. Left out soils are to be removed from the work place dumped at the designated place.
- 55. Sl. No. 118 to 121 & 137: Heat & smoke detectors are installed at different locations in CHP area, Power house area and outside power house area like bunker floor (43mtr. elevation), CHP coal conveyors, MOT room, cable spreader room, MCC room, Control room, FOPH, DM Plant, switch yard etc. The party has to arrange ladder/ scaffolding, blower, manpower assistance etc. for cleaning/ replacement/ fault rectification of detectors. The party has to take adequate safety measures to avoid accidents because some detectors are located at high altitude and some time the work is to be taken above live panels & running conveyors. Making of scaffolding if required at locations where reach through ladder is difficult like Bunker MCC, conveyor area of CHP, FOPH area or similar high altitude locations shall be arranged by party. Checking of healthiness of detectors, circuit, field devices etc. and attending the same if found defect. Witness the testing during routine test.
- **56. Sl. No. 122 to 124 & 138:** Different field devices are connected with FDA system circuit. Checking and cleaning **or** replacement of FDA system field devices is to be done as and when required. Field device includes Relay module, monitor module, loop circuit, zone circuit, firefighting JB, deluge valve JB etc.

Numbers of fire alarm panels are installed at different locations inside and outside power house like control rooms, ESP, ASPH, CHP, Switchyard CWPH, DM plant, Fire station, ADM building etc. Panels need to be cleaned thoroughly with vacuum cleaner & checking of tightness as and when required. Linear heat sensing cable (LHS cable) laying: this includes thoroughly checking of LHS cable and detection of faulty cable and then replacement of LHS cable as per the direction of MIC.

Cleaning & maintenance of firefighting batteries in different location on monthly basis as per direction of MIC.

- **57. Sl. No. 125: Repairing of self-starter:** Dis-assembly of self-starter, replacement of defective spare, again assembly and trial run of self-starter. Transportation of self-starter from, to location shall be in the scope of contractor. Spare parts for replacement shall be supplied by NALCO.
- **58.** Sl. No. 126 & 127: Numbers of ventilation fans are installed at different location in CPP. Their suction vents are needed to be cleaned as & when required. All required consumables are to be supplied by the contractor only.
- 59. Sl. No. 128 & 129: Numbers of ventilation fans are installed at different location in CPP. The party has to do maintenance and overhauling of these motors as and when required. Maintenance and overhauling includes: motor handling i.e. removing of the motor form its base & reinstall the same motor after overhauling/rewinding. Rewinding job will be done by M/S NALCO. For handling the motor party has to arrange the required scaffolding/ladder as & when required. Motor bearings will be supplied by NALCO. For overhauling required consumables will be arranged by party. Motor body if required shall be painted with light grey colour. Connection of power cable shall be in the scope of party.
- **60. Sl. No. 130 & 131:** For motors which does required complete dismantling and overhauling, checking of motors at location is to be done during breakdown/defect or as and when required. Checking of motor includes foundation tightness checking, blade adjustment (if required), motor TB checking (TB cleaning/replacement if required).
- **61. Sl. No. 132:** Maintenance of Ventilation/ Chiller MCC: The scope covers maintenance of LT modules with the following steps.
 - a. Clean the module with air and markin cloth.
 - b. Lubricate the moving parts.
 - c. Clean and lubricate electrical parts with suitable cleaning such as Safety solvent/EC clean.
 - d. Check for any looseness in the wiring and tighten if required.
 - e. Test the module manually/electrically and box-up.
- **62. Sl. No. 133:** Cleaning & maintenance of LCC: The scope covers cleaning and maintenance of LCC with following steps.
 - a. 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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 61 of 120

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 & cable lugs, cleaning agents etc. will be supplied by the contractor.

- b. While servicing, if any isolator is found damaged the same is to be replaced as per direction of Manager-incharge. Control and power cable re lugging and termination, if required, is to be done with proper size lugs and crimping tools. Test the isolator with multimeter for proper operation. The isolator will be provided by NALCO free of cost.
- c. 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).
- **63.** Sl. No. 134 to 136: Party has to replace defective push button/indication lamps as per instruction of MIC.
 - Cleaning and maintenance of switch gear module during breakdown or as and when required. Checking of module circuit, replacement of defective spares, cleaning of module with markin cloths or cleaning agent, cable lugging and power cable connection etc. shall be in the scope of contractor. Shifting of panel from location to workshop and vice versa (if required) shall be in the scope of contractor.
 - Lugging of cable (up to 16 sq.mm) cable with proper size lugs and crimping tools as per the direction of MIC.
- 64. Sl. No. 139 & 140: Maintenance of 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 are 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 IR value has to be taken with 1kV megger after completion of the job to ensure healthiness of the bus. All consumables such as markin cloth, sundry hardware, cleaning solvents, petroleum jelly and all the tools, tackles and instruments to complete the job are to be arranged by the contractor. All required spares shall be supplied by Nalco free of cost. The following boards are to be maintained under the contract as per direction of MIC.
 - a. Ventilation MCC
 - b. ASPH LT/HT Switchboard & MCC
 - c. Chiller MCC
 - d. AC MCC
- **65. Sl. No. 141: Replacement of wire:** The scope covers new laying and replacement of 1.5/ 2.5/ 4.0/ 6.0 sq.mm copper wire inside existing conduit, casing capping. Colored wires has to be used for easy identification, etc. as per direction and satisfaction to the Manager-in-charge.
- **66.** Sl. No. 142 to 147: Supply of wires: The scope covers supply of illumination materials as per the rating and type mentioned in the BOQ by the party. The quantities mentioned are required for the whole period of the contract. Accordingly, party has to supply in staggered manner in time in consultation with Manager-in-charge. Materials of ISI marked, reputed make like Anchor, Cona, Finolex, Havells, MDS, Load king, HPL are to be accepted.
- **67. Sl. No. 148 & 149: Dismantling of Conduit wiring and casing capping:** The scope covers dismantling of various electrical items as mentioned and transportation of dismantled materials to NALCO store, scrap yard or any designated place as per direction and satisfaction to Manager-in-charge. Arrangement of truck, trolley is in the party's scope.
- **68. Sl. No 150 to 152: PVC surface conduits:** The scope covers supply of ISI marked, reputed make PVC conduits by the party as per sizes mentioned in the BOQ. The scope also covers laying, replacement of the conduits on concrete wall, steel structures, surfaces including supply of all accessories and hard wares complete as per direction and satisfaction to the Manager-in-charge.
- **69. Sl. No. 153 to 155: PVC concealed conduits:** The scope covers supply of ISI marked, reputed make PVC conduits by the party as per sizes mentioned in the BOQ. The scope also covers laying, replacement of the same including supply of all accessories and hard wares for concealed conduit work complete as per direction and satisfaction to the Manager-in-charge.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 62 of 120

70. SI. No. 156 to 158: GI surface conduits: The scope covers supply of ISI marked, reputed make GI conduits by the party as per sizes mentioned in the BOQ. The scope also covers laying, replacement of the conduit on concrete wall, steel structures, surfaces including supply of all accessories and hard wares complete as per direction and satisfaction to the Manager-in-charge.

- 71. Sl. No 159 to 161: GI concealed conduits: The scope covers supply of ISI marked, reputed make GI conduits by the party as per sizes mentioned in the BOQ. The scope also cover laying, replacement of the conduit including supply of all accessories and hard wares for concealed conduit work complete as per direction and satisfaction to the Manager-in-charge.
- **72. Sl. No. 162 to 165: Casing capping**: The scope covers supply of casing capping, installation and commissioning of the same on wall, surfaces with sizes of wires as specified in BOQ. Colored wires has to be used for easy identification, 14SWG GI wire for running earth are in the scope of the party.
- **73. Sl. No. 166 to 170: Wooden/ PVC Board:** The scope covers supply of wooden/ PVC boards of sizes as per BOQ, internal wiring with 2.5sqmm/4sqmm PVC copper wire, fixing of switches, sockets, MCBs, holder, I/C & O/G cable connection, white hylam cover of 2-3mm thick, installation & testing of switch board as per direction & satisfaction to Manager in-charge. Board, hylam covers, hard wares & all accessories are in the scope of the party. Switch, socket, holder, MCB etc. are in the scope of NALCO.
- **74. Sl. No. 171 to 175: GI Board:** The scope covers supply of GI boards of sizes as per BOQ, internal wiring with 2.5sqmm/4sqmm PVC copper wire, fixing of switches, sockets, MCBs, holder, I/C & O/G cable connection, white hylam cover of 3mm thick, installation & testing of switch board as per direction & satisfaction to Manager in-charge. Board, hylam covers, hard wares & all accessories are in the scope of the party. Switch, socket, holder, MCB etc. are in the scope of NALCO.
- 75. Sl. No. 176 to 202: Supply of Electrical materials: The scope covers supply of illumination materials as per the rating and type mentioned in the BOQ by the party. The quantities mentioned are required for the whole period of the contract. Accordingly, party has to supply in staggered manner in time in consultation with Manager-in-charge. Materials of ISI marked, reputed make like Bajaj, Philips, CGL, Anchor, Cona, Finolex, Havells, MDS, Load king, HPL are to be accepted.
- **76. Sl. No. 203 & 204: Hiring of Hydra:** The scope covers supply of 10Ton/12Ton hydra, Crane, truck etc. for various lighting related works.
- 77. Sl. No. 205 & 206: The scope covers supply of insulators, TBs etc.as per BOQ as per direction and satisfaction of Manager-in-charge

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 63 of 120

ANNEXURE-B3

SPECIAL CONDITINS OF CONTRACT

SUB: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

- 1. License: The contractor should have valid MV electrical contract License from ELB of State Govt. and shall maintain it throughout the contract period and submit copies at tendering stage as well as a copy before start of the work to Manager-in-charge.
- **2. Completion period**: The work shall be completed in all respects within 02 years from the date of issue of work order or the effective date as mentioned in the WO.
- **3. Work Site**: The scope of the contract covers the areas of CPP complete, ASPH, CHP old & new and its associated areas, Vidyut Nagar colony, CISF Barrack, CPP-Township approach Road, Administrative building, Nalco Nagar Township, Ash pond, Intake pump house, Plant boundary & peripheral lighting, areas related to lean slurry project, any other place inside & outside CPP having interest of Nalco and as per direction of Manager-in-charge.
- 4. Man power: The contractor has to deploy adequate no. of qualified & experienced, physically & mentally sound man power for carrying out day to day works. Accordingly, no. of different category of man power have to deployed depending upon the nature & quantum of job awarded to the party and as per Nalco's rule. In case of additional man power requirement for any emergency nature of work, the same shall be done through consultation with Manager in-charge on temporary basis.
 - a. **Skilled Workers (SW):** Skilled workers should have ITI-electrical qualification or minimum 01 year experience of similar nature of work and capable of doing work in an industrial environment. The skilled workers shall be capable of doing jobs assigned to them without Nalco's supervision, but as per the direction of Manger-in-charge.
 - b. Unskilled & Semi Skilled Workers (USW, SSW): Physically & mentally sound, capable of doing work in an industrial environment.
 - c. **Supervision**: The Contractor will take full responsibility to ensure proper workmanship, good quality of work and supervision during the contract period without any additional cost. It is the responsibility of the contractor to effective deployment of workmen, to ensure compliance of safety norms, arrangement of gate passes and other statutory requirements etc. for successful execution of job.
- 5. Execution of work: The works to be executed are specified in the BOQ and clearly defined in scope of work and are to be executed as per IE rules and Indian standards. The works shall be executed under adequate supervision of experienced and qualified personnel and as per the direction & satisfaction of Manager-in-charge of the contract and/or direction & satisfaction of responsible persons in the illumination/CHP/firefighting/ventilation etc. as deemed fit. The contractor has to emphasise on job priority & urgency, quality of job and good workmanship. If the quality and workmanship of the work executed is not satisfactory, the work has to be re-done by the party at his risky and cost. The works shall be allotted on daily basis and accordingly the party has to complete the works on the same day and status has to be submitted at the designated office.
- **Quantities:** The quantities mentioned in the BOQ are indicative. Care to be taken by the party that the qty. executed shall be in line with the WO. The party has to review and monitor regularly that, cumulative quantities executed are well within the quantities as per WO. Any quantity excess of WO shall be brought to the notice of Manager-in-charge.
- 7. Free issue materials: Nil.
- **8. Transportation of Material**: The materials will be issued to the party on daily basis to meet the maintenance requirement for the day. The material will be under custody of Nalco till installation.
- 9. Consumable: Consumables like markin cloth, cotton waste, PVC tape, cleaning agents, diesel, petrol, kerosene, CRC, detergents, paint, sealing putty, hard wares, all consumables required elsewhere in the contract are in the scope of the party. Necessary gate entry has to be done at CISF main gate in this regard.
- 10. Supply items: Earth pit materials, foundation materials, paints, primers, hard wares, lighting spares and all associated material required to execute works as per BOQ and scope of work should be of ISI and reputed make and are in the scope of the contractor. Lighting materials & its components, LED drivers etc. should be of ISI marked, reputed make like Bajaj, Philips, CGL, Anchor, Cona, Finolex, Havells, MDS, Load king, HPL and any other make with the approval of Manager-in-charge are to be accepted.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 64 of 120

The sample of supply materials shall be submitted for prior approval of Manager-in-charge to prove that the materials procured by him are as per specifications. If any material or work, rejected by the Manager-in-charge the same shall be replaced to the satisfaction of Manager-in-charge without any extra payment. The quantities mentioned in the BOQ are tentative, may vary as per actual requirement at site. The party has to plan accordingly, so that any items purchased remains surplus shall be on party's account. Nalco shall not pay charges towards excess materials purchased by the contractor.

All the material supplied should have CISF gate entry and copy of the same to be produced before Manager-incharge towards processing of the RA Bills

- 11. Return of dismantled/damaged items: The dismantled /damaged items shall be returned to stores, scrap yard or any designated place after work. Arrangement of trolley, truck etc. for shifting the materials are in the scope of the party. Proper records are to be maintained in this regard by the contractor which shall be submitted at the time of verification. In case of replacement of non-working light fittings (For example: 40W LED w/g, flood lights etc.), any lighting components the non-working items shall be returned to the store, scrap yard or any designated place after work, whether it is explicitly mentioned in the scope of not.
- 12. Tools & tackles, instruments: All the relevant tools, tackles, safety belt, blowers, drill m/c, grinder, crimping tools, bearing puller, welding m/c, gas cutting set, trolley, truck, hydra, crane, measuring instrument like Multi meter, Tongue tester, Insulation Tester 500V &1 000V, Earth tester, Measuring tape, Leather/rubber gloves, etc. and all necessary special tools, tackles, instruments required for a job are in the scope of the party. Two legged & four legged aluminium/ FRP ladders if available with Nalco shall be provided free of cost. It is the responsibility of the contractor to maintain the ladders in good condition. Any repair, maintenance of the ladder shall be of done by the contractor and cost are to be borne by the contractor. Detail list of tools/ tackles and safety materials is to be maintained by the party and shall be produced before manager-in-charge as & when required.
- **13. Documentation**: The contractor shall maintain daily log book, record of compliance of defect monitoring system, daily attendance, safety related record etc. as per direction and instruction of MIC.
- **14. Timing of work:** The work has to be started & continued as per the Nalco's timing of work. The contractor has to mobilise the man power accordingly. In case of urgency, the timing of work may be extended and man power may be called on emergency during odd hours. The party has to mobilize the man power accordingly and at the minimum possible time. Payment for any emergency work during odd hours shall be made as per the item rates only.
- **15. Maintenance at CISF Barrack:** The contractor has to make necessary arrangement to attend complaints at CISF Barrack on the same day within minimum delay. Carryover of complaints to next day is not acceptable. Payment shall be done as per the item rates only for the quantum of jobs done. Complaints of "no supply" are to be attended immediately.
- 16. Statutory: The contractor shall be required to comply with all statutory requirements applicable to the contract establishment. Provision of contract labour act should be complied strictly. All the works under the contract shall be executed as per Indian Electricity rule & Indian Standards. The contractor shall be responsible for any unwanted incident at site during work and pay compensation as per the contract rule.
- 17. Acquaintance with work site: Contractor must be acquainted with the site condition at CPP, CHP, Ash Pond, and Water intake, Lean Slurry project areas, Vidyut Nagar colony, CISF barrack, Admn Building and all associated areas of CPP.
- 18. Payment: Payment will be released on actual quantities against submission of RA bill up to the works completed on monthly basis. The party has to submit in Nalco's RA bill format like Proforma-A, B, E, Job slip, area wise break up, RA bill wise Billing amount for CHP & Illumination group, deviation statement, invoice, proof of material entry & exit, HRD clearance, service tax invoice etc. and other relevant documents as desired by Manager- in- charge to process the bill in hard as well as soft copy format and as per Nalco's requirement.
- 19.GCC: Nalco's general conditions of contract (GCC) are applicable to this contract.

20. SAFETY, LEGAL AND ENVIRONMENT ASPECTS:

- a. Contractor has to execute the work after taking necessary instructions and clearance from Safety Department of CPP, Nalco. All the safety appliances required for the work are in the scope of the party. The list of PPEs supplied to the workmen and staff time to time under the contract and other safety appliances required to execute the work has to be submitted at Safety dept. and at Manager-in-charge. If any work calls for a special safety appliance apart from the normal safety items shall be arranged by the party at his risk and cost.
- b. Contractor has to take necessary safety arrangement/ precautions for the workmen engaged by them and supply of PPEs to the workmen engaged by them.
- c. Wherever job to be done at height, height permit to be taken, safety net and safety belt is to be invariably used by Contract personnel.
- d. Contractor shall abide by the rules as per workmen compensation insurance policy as per government directives.
- e. Scraps generated during the contract period, temporary structures, shed etc. have to be removed and dumped at



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 65 of 120

the designated place by the party at his risk & cost as per the direction of Manager-in-charge. The party has to remove the scraps generated and dump at scrap yard on regular basis as required and submit a proof along with RA bill duly certified by the concerned personnel/area manager.

- f. Above all, the contractor shall have to abide by all statutory provisions as per central and state government authorities and have to comply rules and regulations and any instructions thereof as amended by safety department and other statutory authorities from time to time.
- g. The contractor shall adhere to safe working practice, working at height and guard against hazardous and unsafe working conditions and shall comply with Nalco's safety rules. In case any injury or accident to the workmen engaged by the contractor happens, the entire responsibility shall be with the contractor for first aid, emergency treatment, payment of compensation or any consequences thereof.

21. PENALTY:

- a. The total work has to be completed in all respect by the party within 02years from the effective date of WO. The party shall be liable for penalty as per GCC of Nalco if fails to execute the work within the scheduled completion period.
- b. In case the contractor fails to provide service in line with the WO and to the satisfaction of Manager -in-charge, Nalco reserves the right to get the work done through other agencies at the risk and cost of the contractor.
- c. The works under the contract has to be allotted on daily basis & accordingly the jobs are to be completed on the same day. If the party fails to complete a work due to what so ever reason may be, shall be done through other agencies at the risk and cost of the party. Under such situation the amount spent shall be recovered from the party's bill.
- d. If any damage occurs to the equipments, FIMs, systems of Nalco during the course of work, the same shall be repaired / replaced as deemed fit at the risk and cost of the party as per the direction of Manager-in-Charge. If the same could not be repaired/replaced by the party, total financial implication of that damage will be recovered from the contractor's bill.
- e. Complaints of "no supply" are to be attended immediately. In case the contract fails to attend any complain within the stipulated time, for reasons what so ever, recovery of @10% of item rates for each delay subject to maximum 50% shall be made from the contractor's bill.
- 22. 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 to 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.
- 23. The contractors 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"

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 66 of 120

ANNEXURE-B4

SUB: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

QUANTITY & RATE SCHEDULE

I	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.
II	The contractor shall be fully & solely responsible to the statutory authorities for compliance of all the provisions of GST Rules and other statutory provisions applicable to this work as a service provider.
III	GST wherever applicable shall be paid extra, as applicable under existing GST Rules.
IV	Bidders are required to quote on % (Percentage) basis, either Plus (+) or Minus (-) of the total declared estimate in figure, in the Online Percentage BOQ format on online mode only.

Percentage Quoted (+/-) BoQ to be filled up by the bidder

RATES TO BE QUOTED BY THE BIDDER SHOULD BE INCLUSIVE OF ALL TAXES AND DUTIES AND INCLUDING GST

(Separate Excel Sheet attached)

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 67 of 120

ANNEXURE-B5

Minimum Wages of Contract Labours W.E.F. 01/April/25

SL NO	CATEGORY	MINIMUM RATES OF WAGES PAYABLE INCLUSIVE OF WAGES FOR WEEKLY OFF, VDA & CANTEEN SUBSIDY			
		MINIMUM WAGE RATES (INCLUSIVE OF WAGES FOR WEEKLY OFF & VDA) IN Rs	ADDITIONAL ELEMENT IN Rs.	CANTEEN SUBSIDY IN Rs	TOTAL IN Rs
1	UNSKILLED WORKER	541.00	55.08	30.04	626.12
2	SEMI SKILLED WORKER	674.00	55.08	30.04	759.12
3	SKILLED WORKER	805.00	55.08	30.04	890.12
4	HIGHLY SKILLED WORKER	938.00	55.08	30.04	1023.12

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 68 of 120

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)



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 69 of 120

PART –C

Formats for contract execution

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 70 of 120

ANNEXURE-C 1

FORWARDING LETTER AND UNDERTAKING

Fron	n:		
	ler Inviting Authority onal Aluminium Company Ltd.		
Sub:	Letter of Undertaking.		
1.	Having carefully examined all the Tender Documents under reference no 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.		
	Dateday of Signature		
	(NAME IN BLOCK LETTERS)		
	(To be signed by authorized person.)		
	Fax:, Mob:		
	Email:		

(Seal of the Company)

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page: 71 of 120

ANNEXURE-C2

MANDATORY INFORMATION OF THE BIDDER

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

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



TENDER No.:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject:	AMC	FOR	ILLUM	INATION,	FIRE	ALARM	&
	DETI	ECTION	I AND	VENTILA	ATION	SYSTEM	IN
	~~~						

CPP

Page: 72 of 120

#### **ANNEXURE-C3**

## EXCEPTION / DEVIATION STATEMENT TO THE TENDER TERMS & CONDITIONS In case of no deviation please write 'No Deviation' in the space below:

Sl.	Reference	of Tender Doo	cument	Subject	Deviation / Exception
No	Page No.	Clause No.	Para No.		
	1				

Signature & Seal of bidder.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 73 of 120

**ANNEXURE-C4** 

# -: DECLARATION BY THE BIDDER :-

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 <u>Annexure-19</u> and <u>Annexure-20</u> 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:	Sign	ature	Auth	norized	Person	With	seal



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page: 74 of 120

**ANNEXURE-C5** 

## <u>Undertaking on Downloaded tender documents</u>

We here by confirm that, we have downloaded the complete set of tender documents along with the set of enclosures hosted in GeM website, <a href="https://www.gem.gov.in">www.gem.gov.in</a>. 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 Au	ithorized	Person	With sea	al

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 75 of 120

## **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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 76 of 120

**ANNEXURE-C7** 

# (This is an Optional / Indivative Format)

 $\mathbf{PQC}-\mathbf{Financial}$ 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 Networth 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.

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 77 of 120

**ANNEXURE-C8** 

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

	(Last	day of Month Prev		ON/ ie Date of sub			tender subi	mission dat	e)
<u>Nan</u>		<u>k</u> : (*) <u></u>							
		ence No.:(*)							
I/W	ė		, age	years,	son of _			do hereby	solemnly
affir	m and de	clare as follows for	r 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.									
to be	e misleadi	that the above par ing at a later date et and as per laid d	NALCO w	vill have the a	authority	to take nec	•	_	
_				Signat	ure of the	e bidder			_
				Name	of the Bio	dder			_

Company Seal

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page 78 of 120

#### **ANNEXURE-C9**

#### TAX INVOICE

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

**Details of Supplier** ORIGINAL FOR RECIPIENT

Name DUPLICATE FOR SUPPLIER OF SERVICE

Address Date

Inv Serial No.

GSTIN/Unique ID Service PO Ref.:

**Details of Recipient** 

(Billed to)

Details of Consignee (Shipped to)

Name Name

Address Address of delivery

State State

State Code State Code

GSTIN/Unique ID GSTIN/Unique ID

Place of supply: Name of State:

Sr.	Descriptio n of Goods	HSN Code /	ode /		Rate	_	Discou		CGST		SGST /UTGST		IGST		CESS	
No.	/ Services	SAC	Qty.	Unit	(per item)	Total	nt	Value	Rate	Amt	Rate	Amt	Rate	Amt	Rate	Amt
	Freight		l .													
	Insurance															
	Packing and	l Forwarding	Charge	s												
	Total Invoic															
	Total Invoic							1			1					
	Amount of T	ax subject to	Revers	e Charg	ges											

#### 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
- 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.

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 79 of 120

**ANNEXURE-C10** 

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

	To National Aluminium Company Limited Nalco Nagar – 759145, DistAngul, Orissa.											
	Authorizat		ease of payme EFT/Internet			CO		•••••	$.  ext{thro}$	ough		
			tter No									
(Please	fill in the i	nformation	n in CAPITA	L LETTE	R PLEAS	SE tick w	herev	ver it i	s app	olicabl	e)	
	2. Address of the party:											
	: City: Pin Code E-mail ID : Permanent Account Number. :											
3.	Particulars	of Bank	:									
Bank N	Jame				Branch	name						
Branch	Place				Branch	City						
Pin Cod	de				Branch	Code						
MICR. No.												
Accoun	t type	Savings:	.1	Current	•	1	Cas	h Cred	dit:			
Accoun	t No.(as ap	pearing in	the Cheque	Book).								
attach 2		of a chequ	earing on th ue of your ba			_			-			
IFSC C	ode.											
4. Date from which the mandate should be effective:  I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold National Aluminium Company Limited responsible. I also undertake to advise any change in the particulars of my account to facilitate updation of records for purpose of credit of amount through Internet / RTGS / NEFT.												
Place: Date:												
Certifie Bank's Date:	-	ticulars fur	rnished abov	e are corr	ect as pe	r our reco	ord.		•••			
Date			(Signa	ture of th	e Authori	ized Offic	ial fr	om the	e Ban	ıks)		

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

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

and the contractor hereby agree with the owner that:-

TENDER No.: CPP/T&C/GeM-268/MC-5545/NIT/2025/433 Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 80 of 120

## **ANNEXURE-C11**

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

WHERAS 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 WHERAS:
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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

SIGNED BY COMPETENT AUTHORITY

Page 81 of 120

i)	The indemnity/undertaking shall be continuing Indemnity/undertaking shall remain valid and
	irrevocable for all claims, of the owner arising hereunder up to and until the midnight of
	HOWEVER, if the contract for which this indemnity/undertaking is given is not
	completed by this date, the *contractor hereby agree to extend the Indemnity/undertaking till time as
	required to fulfill the contract.

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

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

The undersigned as full power to execute this Indemnity Bond on behalf of the contractor under the power delegated by the Board of directors of _______ vide its Board resolution dated ______ copy of which placed at Annexure-"A'

Place:- CPP, NALCO, ANGUL

DATE:-

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 82 of 120

#### **ANNEXURE-C12**

## PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

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

В.	G. No	Date:	
1.	WHEREAS M/s Natio	nal Aluminium Company Limited (A Governme	nt of India Enterprise), having
1.	its Unit/Office at	(UNIT/OFFICE ADDRES  ne Company" which expression shall unless repu	SS ISSUING THE TENDER
	includes its legal repr	resentatives, successors and assigns) has issued dt(herei	Tender paper vide its Tender
		(hereinafter called the said Tenderer(s)	
	as per terms and con	ect or context includes their legal representative ditions of the said tender, the tenderer shall sonly) towards earnest money in lieu of	ubmit a Bank Guarantee for
2.	WEBa amount due and paya Company stating that	ank having its branch office at	hereby undertake to pay the merely on a demand from the d binding, the amount claimed
	•	withdrawal of the tender or any material alto by way of any loss or damage caused to or wou	
	Company by reason	of any breach by the said tenderers(s) of any tender or failure to accept the Letter of Intent	of the terms and conditions
	covered under this Gu be conclusive as regar	arantee is forfeited. Any such demand made on toods the amount due and payable by the Bank uthis guarantee shall be restricted to an ar	the Bank by the Company shal nder this guarantee. However
	(Rupees	·	
3.	disputes raised by the tribunal relating there. The payment so made	to the Company any money so demanded no ne tenderer(s) in any suit or proceeding pendi eto our liability under this present guarantee b e by us under this bond shall be a valid dischar- lity to pay is not dependent or conditional on the	ng before any office, court or eing absolute and unequivocal ege of our liability for paymen
	the tenderer.	and to poly to the termination of continuous of the	re copan-y process a again
4.	or winding up, dissolu all respect and for all	contained shall not be determined or affected of ation or change of constitution or insolvency of the purposes be binding and operative until payment at(s)/ Order(s) are fulfilled.	he said tenderer(s) but shall in
5.		Ltd. further agree that the guarantee herein	contained shall remain in ful
	it shall continue to be successful tenderer(s) have been fully paid	g the period that would be taken for the finalizate enforceable till the said tender is finally decade and or till all the dues of the company under and its claims satisfied or discharged or till a	cided and order placed on the or by virtue of the said tender duly authorised officer of the
		t the terms and conditions of the said tender tenderer(s) and accordingly discharges the guar	
6.	· · · · · · · · · · · · · · · · · · ·	ll have full liberty without reference to us and w	
	to postpone for any tir the tender.	ne or from time to time. The exercise of any of the	ne power of the Company under
7.	Notwithstanding anyt	ching contained herein before, our liability shall only) and shall remain in force till	
	CDUDEES	onivi and shall remain in force till	umess a demand or claim

00000010657908589

 ${\bf SBIN0008279}$ 

TENDER No.:

A/C No

 $IFSC\ Code$ 

Address of Bank:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 83 of 120

under	this Guarantee is made on	us within three months from the date of expiry, we shall be					
dischar	rged from all the liabilities und	der this guarantee.					
8. We	WeBank, lastly undertake not to revoke this guarantee during its currency except with						
the pro	evious consent of the Compa	my in writing. We further undertake to keep this Guarantee					
renewe	ed from time to time on the rec	uest of Tenderer(s).					
9. We _	Bank further	agree that this Guarantee shall be invocable at our place of					
busines	business at(Bank Name),(B						
Name a	and address of the branch), Bl	ubaneswar , Odisha-751					
Date		Bank					
	Seal of the Bank	By its constitutional Attorney					
Corporate	car of the bank	Signature of duly Authorised person					
		On behalf of the Bank With seal & signature code					
		On behalf of the Bank with sear & signature code					
Details of P	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:	ote 2: BG confirmation must be sent to our Banker through SFMS with the followings details:						
Beneficiary	: NATIONAL ALUM	NIUM CO LTD CPP					
Banker	: State Bank of India						
Branch	: Kandsar(Nalco Nag	ar)					

 $\mbox{AT/P.O}-\mbox{Kandsar,P.S}$ - Nalco $\mbox{Nagar,Dist}-\mbox{Angul}$ ,<br/>ODISHA,,Pin - 759145

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 84 of 120

## ANNEXURE-C13

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

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

В.	G. No	Date
1.	WHEREAS National Aluminium Company Limited (A Government of Indunit/Office at	WORK IS EXECUTED) pugnant to the subject or ered into a contract with(hereinafter ugnant to the subject or and assigns) for enditions as set out inter arious documents forming include all amendments, ler(s) has agreed for due
	AND WHEREAS one of the conditions of the "said contract" is that "contractor furnish to the Company a Bank Guarantee from a bank for% (perce the "said contract" against due and faithful performance of the "said contract" obligations and the performance guarantee obligations of the contractor(s)/sel supplies made under the "said contract."	ent) of the total value of "including defect liability
2.	WE	and undertake to pay the y on a demand from the ng, the amount claimed is ing any of the terms & ulfilling the performance ffered by the Company by

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

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.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 85 of 120

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

9.	weBank	Turther	agree	tnat	tnis	Guarantee	snaii	be	invocable	at
	Angul / Bhubaneswar,		(Bank).	Brai	nch c	office at				
	IFS Code with Address		` .							-
	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

B. G. No._

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Date:_

Page 86 of 120

#### **ANNEXURE-C14**

## BANK GUARANTEE FOR PERFORMANCE SECURITY / SECURITY DEPOSIT

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

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
	due fulfillment by the said contractor(s)/seller(s) of the terms and conditions contained in the said
	Contract(s)/Order(s), on production of Bank Guarantee for ` (Rupees
	only).
2.	WE
	and Branch Mail IDdo 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 `
	(Rupeesonly).
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).
- 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.
- We ......Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract(s)/ Order(s) and that it shall continue to be enforceable till all the dues of the company under or by virtue of the said Contract(s)/Order(s) have been fully paid and its claims satisfied or discharged or till a duly Authorised officer of the company certifies that the terms and conditions of the Contract(s)/Order(s) have been fully and properly carried out by the said contractor(s) accordingly discharges the guarantee.

: Kandsar(Nalco Nagar)

: sbi.08279@sbi.co.in

: SBIN0008279

: 00000010657908589(CPP)/ 00000010657908114(Smelter)

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

Branch

A/C No IFSC Code

Mail id

TENDER No.:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 87 of 120

withou terms a Contra powers any of from ou (s)/ Sell the Co under to 7. Notwith Rs	t our consent and without afford and conditions of the said Corctor(s)/Seller(s) from time to exercisable by the Company the terms and conditions related liability by reason of any seller(s) or for any forbearance, impany to the said Contractor the law relating to sureties we hetanding anything contactor (Rupees	with the Company that the company shall have the fullest liberty ecting in any manner our obligations hereunder to vary any of the attract(s)/Order(s) or to extend the time of performance by the said time or to postpone for any time or from time to time any of the against the said Contractor(s)/Seller(s) and to forbear or enforce ting to the said Contract(s)/Order(s) and we shall not be relieved uch variations, or extension being granted to the said Contractor act or omissions on the part of the Company or any indulgence by or(s)/Seller(s) or by any such matter or thing whatsoever which ould, but for this provision, have affect of so relieving us.  ained herein before, our liability shall not exceed
renewe	ed from time to time at the rec	uest of Contractor(s)/ Sellers(s).
		Bank further agree that this Guarantee shall be invocable at (Bank), Branch office at,
		ess, 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
	Persons Issuing the BG:	
Name		
Address fo	r Correspondence:	Telephone & Fax No.
E-mail:		
Note: 1	: BGs to be furnished from	any of the approved banks of NALCO.
Note:2		e sent to our Banker through SFMS with the followings details:
Beneficiar		
Banker	: State Bank of India	

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 88 of 120

#### **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)

GUAF	RANTEE 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
	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.

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 89 of 120

5.	materials have been returned to t	d will remain in force and effect upto and until the said the Company as per terms of the said contract and Company to the surety on the aggregate amount payable to the Company, whichever is earlier.
6.	restricted to ` (Rupees in force upto in the under this guarantee is not completed	ove, the liability of the surety under the guarantee is only) and this guarantee will remain the first instance. However, if the contractor's obligations or fully performed within this period, the surety hereby till such time as is required to fulfill such obligations.
7.	-	antee in your favour under memorandum and Articles of s full power to do so under the power of Attorney dated s.
8.		ee months from the date of expiry, i.e.,ntee shall be forfeited and we shall be relieved, and der.
9.	and branch Mail ID	s branch office at, IFS Codelastly undertake not to revoke this guarantee during sent of the Company in writing. We further undertake to keep at the request of Consultant.
	at,	IFS Code (Bank), Branch office with with PIN 75, having Branch Mai
	e C Code:	Bank By its constitutional Attorney
	porate Seal of the Bank	By 165 constitutional According
		Signature of duly Authorised person
		On behalf of the Bank With seal & signature code
Details	ils of Persons Issuing the BG:	
Name	e	
Addres	ess for Correspondence:	Telephone & Fax No.
E-mail		
Note:	· ·	f the approved banks of NALCO.
Note: 2		to our Banker through SFMS with the followings details:
Benefi Banke	•	ы <i>т</i> .
Brancl		
A/C No		00010657908114(Smelter) IFSC Code : SBIN0008279

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

: sbi.08279@sbi.co.in

Mail id

B. G. No.__

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Date:_

Page 90 of 120

#### **ANNEXURE-C16**

### BANK GUARANTEE FOR ADVANCE PAYMENT

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

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(Rupeesonly) 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.	Wedo 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
	(Rupeesonly).
3.	We undertake to pay to the Company any money so demanded not withstanding 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

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

5. We ......Bank further agree that the guarantee herein contained shall remain in full force and

under the said contract(s)/order(s) are fulfilled.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 91 of 120

authorized officer of the Company certifies that the terms and conditions of the said Contract(s)/Order(s) have been fully and properly carried out by the said Contractor(s)/Seller(s) and accordingly discharges this guarantee.

	accordingly discharges this guarantee.
6.	That the Company/Company will have fully liberty without reference to us and without affecting this
	guarantee to postpone for any time or from time to time the exercise of any of the power of the
	Company under the Contract(s)/Order(s).
7.	Notwithstanding anything contained herein before, our liability shall not exceed Rs
	(RupeesUnless 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.	WeBank, lastly undertake not to revoke this guarantee during its currency except with
	the previous consent of the Company in writing. We further undertake to keep this Guarantee
	renewed from time to time on the request of the Contractor(s)/Seller(s).
9.	WeBank further agree that this Guarantee shall be invocable a
	Angul / Bhubaneswar, (Bank), Branch office at
	IFS Code, PIN 75, having
	Branch Mail Id
Da	ateBank
Co	orporate 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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page 92 of 120

#### **ANNEXURE-C17**

# LIST OF STANDARDISED BANKS

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

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

				·						
III.	III. <u>List of Foreign Banks</u>									
Sl.	Name of the Bank	BIC	Sl.	Name of the Bank	BIC					
No.			No.							
1	Abu Dhabi Commercial Bank	ADCB AE AA	19	KEB Hana Bank	KOEX KR SE					
	Ltd.									
2	Australia & New Zealand	ANZB AU 3M	20	Krung Thai Bank Public	KRTH TH BK					
	Banking Group Limited			Company Ltd.						
3	Bank Of America NA	BOFA US 3N	21	Mashreqbank PSC	BOML AE AD					
4	Bank of Bahrain and Kuwait	BBKU BH BM	22	Mizuho Bank Ltd.	MHCB JP JT					
	B.S.C.									
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	CTBA AU 2S	27	Sonali Bank Ltd.	BSON BD DH					
	Australia									
10	Credit Agricole Corporate &	BSUI FR PP	28	Standard Chartered Bank	SCBL GB 2L					
	Investment Bank									
11	Credit Suisse AG	CRES CH ZZ	29	Sumitomo Mitsui Banking	SMBC JP JT					
				Corporation						
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	BOTK JP JT					
<u></u>				UFJ, Ltd.						
14	Doha Bank	DOHB QA QA	32	The Hongkong & Shanghai	HSBC HK HH					
				Banking Corp. Ltd.						
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	ICBK CN BJ	35	Westpac Banking Corporation	WPAC AU 2F					
	of China Limited									
18	JP Morgan Chase Bank	CHAS US 33	36	Woori Bank	HVBK KR SE					

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 93 of 120

## ANNEXURE-C18

# SAC CODES for Services & HSN code for supply

Sl. No	vendor code	Service PO No. &Supply	Supply/Service Description	Service Accounting Code (SAC) (6 DIGIT) & HSN code (6 digit)
				996912

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 94 of 120

#### **ANNEXURE-C19**

## NATIONAL ALUMINIUM COMPANY LIMITED **CAPTIVE POWER PLANT DIVISION**

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

The tenderer shall carefully study the list of directors of NALCO from the website written below https://nalcoindia.com/company/nalco-leadership/board-of-directors/

and state "Yes" or "No" to questions given below:

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

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

Sl. No.	Name	Relationship

SIGNATURE OF THE TENDERER

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page 95 of 120

#### **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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 96 of 120

### ANNEXURE-C21

## PRE CONTRACT INTEGRITY PACT

This pre-bid pre-contract Agreement (hereinafter called the Integrity Pact) is made on _____ day of

_			-
7	~		 1
	ρn	_	

the month of	$_$ 2025, between, on one hand	, the National Aluminium Compa	any Limited (NALCO), a
company registere	d under the Companies Act 1	.956 and a Government of India	a Enterprise, having its
Registered Office a	t NALCO Bhawan, P/1, Nayaj	palli, Bhubaneswar- 751013,Odis	ha, India (referred to as
NALCO) acting the	rough Ms. Kirti Khaira Mana	ger (E&I) T&C (hereinafter call	ed the "BUYER", which
expression shall r	nean and include, unless the	context otherwise requires, his	successors in office and
assigns) of the	First Part and M/s.		represented by Shr
	, Chief Execu	utive Officer (hereinafter called	the "BIDDER / Seller'
which expression	shall mean and include, unl	ess the context otherwise requi	res, his successors and
permitted assigns)	of the Second Part.		
WHEREAS the B	UYER proposes to procure A	MC FOR ILLUMINATION, FIRE AL	ARM & DETECTION AND
VENTILATION SYSTE	M IN CPP and the BIDDER/Sel	ller is willing to offer/has offered	the stores and
WHEREAS the BI	DDER is a private company /	public company /Government u	ndertaking/ partnership
/registered export a	agency, constituted in accorda	nce with the relevant law in the	matter and the BUYER
is a Company unde	er the administrative control of	the Ministry of Mines Goyt of I	ndia

#### 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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 97 of 120

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



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 98 of 120

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:



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 99 of 120

- (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.



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 100 of 120

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 (<a href="www.nalcoindia.com">www.nalcoindia.com</a>).
- 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.
- Both the parties accept that the IEMs have the right to access all the documents relating to the project / procurement including minutes of meetings.
- 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.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

For & on behalf of

Page 101 of 120

### 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

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	

******

If yes, give details:

Arbitration cases pending.

Disputed incomplete works.

contract work in India during the last 5 years.

turpitude in relation to business dealings

involving moral turpitude in relation to business dealings.

involving moral turpitude in relation to business dealings.

TENDER No.: CPP/T&C/GeM-268/MC-5545/NIT/2025/433 Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 102 of 120

Yes/No

Yes/No

Yes/No

Yes/No

Yes/No

Yes/No

#### **ANNEXURE-C22**

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

		I, aged about years, S/O:, At	, PO-
	,	Dist, Pin, State:, Designation:	of M/s.
		have not been convicted by a court of Law for an offence	e involving
mo	ral tur	pitude in relation to business dealings during the past seven years for accepta	ance of the
offe	er. I do	hereby solemnly affirm and state as follows:	
	INFO	DRMATION REGARDING CURRENT LITIGATION, DEBARRING EXPELLING OF BIDE	D OR
	INFO	ABANDONMENT OF WORK BY THE BIDDER	D OR
1.	(a)	·	Yes/No
1.		ABANDONMENT OF WORK BY THE BIDDER	
1. 2.	(a)	ABANDONMENT OF WORK BY THE BIDDER  Is the bidder currently involved in any litigation relating to the works.	

Has the bidder or any of its constituent partners failed to perform on any

Pending civil cases against the firm or its Proprietor/Partner(s)/Director(s)

Pending criminal cases against the firm or its Proprietor/Partner(s)/Director(s)

Punishments awarded under civil cases or criminal cases involving moral

#### Note:

(b)

(a)

(b)

(a)

(b)

(a) (b)

(a)

(b)

(a)

(b)

(a)

(b)

3.

5.

6.

7.

8.

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

Signatu	$\mathbf{re}$	of	the	bidde	r
Date:	•••	•••	• • • • •	•••••	••

ubject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 103 of 120

#### **ANNEXURE-C23**

#### AGREEMENT

CONTRACT AGREEMENT FOR T	HE WORK	OF			• • • • • • • • • • • • • • • • • • • •	(-
	ay of the mo	onth of	of 1	the year two	thousand	)
between M/s	in	the	town of	f	ΑΊ	'PO-
,DIST	STATE	PI	[N	here in af	ter called	,the
"Contractor" (which terms shall unle	ss excluded	by or re	epugnant t	to the subj	ect or co	ntext
include its successors and permitted assig	nees) of the	one part	and the 1	NATIONAL	ALUMIN	IUM
COMPANY LIMITED hereinafter called th	ie " <b>OWNER"</b>	(Which	term shal	ll, unless e	xcluded b	y or
repugnant to the subject or context include it	s successors	and perm	itted assign	nees) of the o	ther 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.

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 104 of 120

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 licencee 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.

(<u>M/S.....</u>)
PLACE:.

## IN THE PRESENCE OF TWO WITNESSES.

NALCU'S WITNESS.	CONTRACTOR'S V	VITNES
01)	_01)	
02)	_02)	

PLACE: NALCO, CPP

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 105 of 120

## **ANNEXURE-C24**

## **COMMERCIAL QUESTIONNAIRE**

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

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 106 of 120

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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 107 of 120

TENDER No.:	
CPP/T&C/GeM-268/MC-5545/NIT/2025/43	3

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

SIGNATURE OF BIDDER	
NAME OF BIDDER	
NAME OF DIDDER	•
COMPANY SEAL	:

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 108 of 120



# 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	Documents description		For Two	For Single
No.				Part
1.	<ul><li>(a) EMD Amount as per NIT specification.</li><li>(b) Cost of tender document, if downloaded from Internet.</li></ul>			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		Yes / No	Yes / No
	by the company for the tender	by the company for the tender, if signed by other than proprietor.		
11	Proof of ownership/partnership of the firm/company attached.		Yes / No	NA
12.	Offer is submitted in the	(a) Obtained from T&C Department,	Yes / No	NA
	original NIT documents	(b) Downloaded from Internet	Yes / No	NA
13.	Deviation from the NIT terms	Deviation from the NIT terms & conditions in deviation sheet only.		NA
	(Ref :-Annexure-C3)	·Annexure-C3)		
14	Signed declaration form by authorized signatory as per Annexure-C4		Yes / No	Yes / No
15	Undertaking of downloaded tender documents as per <b>Annexure-C5</b>		Yes / No	NA
16	Bank mandate for e-payment form as per Annexure-C10		Yes / No	Yes / No

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 109 of 120

Sl	Documents description	For Two	For Single
No.		Part	Part
17.	Annexure-C19 & C20 regarding relatives in NALCO	Yes / No	Yes / No
18.	Annexure-C8 regarding details of present / concurrent commitments	Yes / No	274
	and information of the tenderer (where ever applicable)		NA
19.	Documentary evidence in support of pre-qualifying criteria of the	Yes / No	
	NIT	Yes / No	27.4
			NA
	Work Orders listing as per (Annexure-C7)		
20.	Copies of audited Balance Sheet / Profit & Loss account for the last	Yes / No	Yes / No
	three Financial Years		
21.	Copy of statutory license, if applicable	Yes / No	Yes / No
22.	List of tools & tackles	Yes / No	NA
23.	All the pages of the offer including GCC are signed by the bidder	Yes / No	Yes / No
24.	Supporting documents are attested by Gazetted Officer / Notary Public	Yes / No	Yes / No
25.	Price Bid contains no conditions in any form	Yes / No	Yes / No
26.	Pre Contract Integrity Pact (Annexure-C21)	Yes/No	NA
27.	Preference to Make In India (Annexure-A09)	Yes / No	Yes / No
28.	Compliance of Public order on Restrictions under Rule 144 (xi) of the General Financial Rules (Annexure-A10)	Yes / No	Yes / No

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

SIGNATURE OF TENDERER WITH SEAL

Please tick the box and ensure compliance:

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 110 of 120

**ANNEXURE-C26** 

#### CHECK LIST FOR SUBMISSION OF OFFER

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

1.0	Bid submission Letter as Submitted.	s per proforma at	ctached in bidding docu	ment.
2.0	Information about Bidde Submitted.	er as per proform	a attached in bidding d	ocument.
3.0	_			G/BC from any scheduled bank as ked "Earnest Money Deposit".
	Submitted in the form of DD/ BG		EMD value: R	S
	BG No	Dated	Valid up to	Claim period upto
	DD No	Dated	Drawn on	Valid up to
				Valid up to
4.0		submitted in	the form of BG) is	enclosed with Techno-commercial Months from the tender
	Yes	Valid	Up to	
5.0	Validity of Offer is up to	Months fro	om the tender opening/I	Extended tender opening date.
	Yes	Valid	Up to	
6.0	Annual Turnover Details Account Statement for the		_	ance Sheets including Profit and Loss
	Submitted.	1 2	aitted for the years:	
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 Experien	<b>ce</b> in the proform	na enclosed in the Biddi	ng Document.
	Submitted.			
9.0	Details of Present / Cond Bidding Document (when		_	nclosed in the proforma enclosed in the
	Submitted.			



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 111 of 120

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.
13.0	Yes Ref 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

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 112 of 120

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:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

CPP

Page 113 of 120

#### **ANNEXURE-C27**

# APPENDIX FOR DOCUMENTS TO BE SUBMITTED BY BIDDER

Sl.		Contents		1	Page Nos.
No.					
1	DD /	Banker's Cheque /MSME / NSIC / UAM			to
2	i)	Work Orders for technical PQC criteria	ONLY FOR OPEN		to
		with scope of work and BOQ	TENDER		
	ii)	Completion Certificate			to
	iii)	Amendment Copy ,if applicable			to
3	i)	Balance Sheet and Profit & Loss statements of			to
		last 3 financial years (Audited by C.A)			
	ii)	Bank Solvency of last financial year			to
4	i)	PF			to
	ii)	ESI			to
	iii)	PAN			to
	iv)	PAN based GSTIN			to
	v)	Power of Attorney /ownership/Certificate of Incorp	poration		to
	vi)	Affidavit of No Litigation (Original)	ONLY FOR OPEN TENDER		to
5	i)	Forwarding Letter & Undertaking (ANNEXURE-	C1 of NIT)		to
•	ii)	Mandatory Information of the Bidder (ANNEXUE	RE-C2 of NIT)		to
	iii)				to
		(ANNEXURE-C3 of NIT)			
	iv)	Declaration by the bidder (ANNEXURE-C4 of NI	Γ)		to
	v)	Undertaking of downloading of tender document (	(Annexure-C <b>5</b> of NIT )		to
	vi)	Details of Present / Concurrent Commitments of	ONLY FOR OPEN		to
		the tenderer (ANNEXURE-C8 of NIT)	TENDER (where		
			ever applicable)		
	vii)				to
•	viii)				to
	ix)	Declaration of Relatives (Appendix – C19 & C20 o	of NIT		to
	x)				to
		(Annexure-C30 of NIT)			
	xi)	Declaration by the Bidder for Implementation of	ONLY FOR CASES		to
		Integrity (Annexure-C32 of NIT)	WHERE INTEGRITY		
			PACT IS NOT		
			APPLICABLE		
6		Contract Integrity Pact (Annexure-C21 of NIT)			to
7		erence to Make In India(Annexure-A09)			to
8	1 -	pliance of Public order on Restrictions under Rule 144 (xi) s (Annexure-A10)	of the General Financial		to
9	Work	ss orders with amendments (if any) as documentary proof	ONLY FOR OPEN		
	for P	resent / concurrent commitment	TENDER (where		
			ever applicable)		

#### NOTE -

- 1. The above details must be filled up and submitted, along with the bid document.
- 2. All the above mentioned documents needs to be submitted along with the offer and in the mentioned chronological order.
- 3. Page no. reference must be mentioned against each document.

Date:

Signature

Designation:

Department:

Name:

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Signature

Name:

Seal:

Page 114 of 120

Annexure-C28

	NO DC	E CERTIFICATE	
1.	Vendor Code:	Vendor Name:	
2.	Work Order Ref with Date:		
3.	Description of Work as per Order:		
4.	Reference of User Dept:		
et He for	nis is to certify that the contractor quipment, Consumables, Rent, Electr c. and Compensation for damages if ar owever, dues of contractor under the p r the performance guarantee / defect creement.	icity, Water Charges, Grou ny. performance guarantee / def	nd Rent, Hiring Charges, ect liability shall continue
		for Nation	nal Aluminium Co. Ltd.
	Date:	Name Design Depar	
•	NO CLA	IM 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:		
ag	ainst the above contract except what is alrest and an except what is alrest and an except what is alrest and except when except which is alrest and except when except when except when except which is alrest and except	ady claimed in the Final Bill su	bject to processing/passing in
	for National Aluminium Co	. Ltd.	for Contractor

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

 $\mathbf{CPP}$ 

Page 115 of 120

#### Annexure-C29

NATIONAL ALUMINIUM COMPANY LTD. CAPTIVE POWER PLANT, ANGUL, ODISHA Integrated Management System **CONTRACTS DEPARTMENT** 

Title:	WORK COMPLETION CERTIFICATE			
Doc. No.: F-24 / CNT/ IDPM/ 02	Issue No: 002	Rev. 02	Page 115 of 1	
F(( ); D   ( ( ) 1.17.00.0000				

Effective Date of format: 17.08.2022

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

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

(Signature of EIC/MIC)	(Signature of HOD)
Name:	Name:
Designation:	Designation:
Dept:	Dept:
Date:	Date:



CPP/T&C/GeM-268/MC-5545/NIT/2025/433

# Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 116 of 120

#### Annexure-C29 A

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

Integrated Management System **CONTRACTS DEPARTMENT** 

Title:	PARTIAL WORK COMPLETION CERTIFICATE			
Doc. No.: F-25 / CNT/ IDPM/ 02	Issue No: 002	Rev. 02	Page 116 of 1	
Effective Date of format:17.08.2022				
Decemination		Dotoil	~	

Sl.	Description		Details	
No. <b>01</b>	Name of the Work			
02	Work Order Reference No. &			
	Date			
03	SAP Purchase Order No			
04	Name of the Contractor & SAP Vendor code			
05	Contract Period	From	То	
06	Amended Contract Period	From	То	
07	Contract Value (excluding GST) (Rs.)			
08	Final Amended Contract Value (in Rs.)			
09	Date of Actual Commencement of Work			
10	Value of the partially completed work (excluding GST) (Rs.)		As on Dt:	
	that the performance of the cont		· -	_
. 1	te is being issued to the contracto	r, as per their requ	est vide letter No	••••••
Signatu	are of EIC/MIC)	(Sionati	are of HOD)	

(5 Name: Name: Designation:Designation: Dept: Dept: Date: Date:



Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 117 of 120

Annexure-C30

Format:- (To be submitted with BID)

Place:_____

### ANTI-PROFITEERING DECLARATION FORMAT

To whomsoever it may concern.

I, Mr	, Proprietor/	(other	authorized
signatories) of M/s	, hereby s	solemnly and sincer	ely declare
that, while giving this quotation to 'Nalco	o' against Tender No		
Dt, me/my firm/my company	has abided by all Tax La	aws and Rules includ	ling but not
limited to Section 171 of the Central Good	ds and Services Tax Act,	2017.	
I, hereby solemnly and sincerely further	declare that me/my firm	m/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 fro	om time to time during th	he life of the tender	and during
execution of any order placed with referen	nce to the said tender.		
I further declare that, me/my firm/my o	company, in furtherance	and in compliance	to the said
section, will make commensurate reduc	ction in the basic prices	w.r.t. Input Tax be	enefits and
reduction in Tax charged to 'Nalco' w.r.t	t. Output Tax benefits is	n connection with go	oods and/or
services provided.			
I further declare that the foregoing is to	rue and correct and the	same is a legal obli	igation and
failure to fulfil if could result in penalties	s under the law.		
D 4 :			
Date:			

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

CPP/T&C/GeM-268/MC-5545/NIT/2025/433

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN

Page 118 of 120

#### 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 soler	nnly and sincerely declare
that, while executing the Order No	o Dt	, me/my firm/my
company has abided by all Tax Laws	s and Rules including but not lir	mited to Section 171 of the
Central Goods and Services Tax Act, 2	2017.	
I further declare that, me/my firm/n	ny 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 con	nection with goods and/or
services provided.		
I also declare that "Commensurate be	enefit of reduction in rate of tax o	r 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	is true and correct and the sam	e is a legal obligation and
failure to fulfil if could result in penal	ties under the law.	
Date:		
Place: To be	e signed by the authorized person	under the firm's seal.

(Authorized signatory of the Bidder)

Date:

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 119 of 120

# Annexure-C32

# Declaration by Bidder for Implementation of Integrity

<u> Pender Ref:</u>
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.  If 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

Subject: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP

Page 120 of 120

# GENERAL CONDITIONS OF CONTRACT (GCC)

(Enclosed separately with this Tender)

*****

#### Name of Work: AMC FOR ILLUMINATION, FIRE ALARM & DETECTION AND VENTILATION SYSTEM IN CPP (MC-5545)

Name	of	the
Ridde		

#### NOTE:

- 1. This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent 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 regestered Vendor), in figure & in words, in the Percentage BOQ format only.
- 7. The total declared estimate is Rs 1,32,78,863.40, 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 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	Replacement of closed type Tube light: Replacement of closed type Tube light as per BOQ, SOW and SCC	500.00	NO	02 (Two) Years	37.05	18525.00	18%	21859.50	
2	ITEM 2	Replacement of closed Tlconnector : Replacement of closed Tube light connector as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	37.05	1852.50	18%	2185.95	
3	ITEM 3	Replacement of closed TL rotary holder: Replacement of closed TL rotary holder as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	37.05	741.00	18%	874.38	
4	ITEM 4	Repair and refix of closed of TL fitting: Repair and re-fixing of closed TL fitting as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	76.79	3839.50	18%	4530.61	
5	ITEM 5	Replace of Tube light Stopper pin: Replacement of Tube light Stopper pin as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	37.05	370.50	18%	437.19	
6	ITEM 6	Rewiring of closed Tube light L fittings: Rewiring of closed Tube light L fittings as per BOQ, SOW and SCC	200.00	NO	02 (Two) Years	97.71	19542.00	18%	23059.56	
7	ITEM 7	Replacement of open type Tube light: Replacement of open type Tube light as per BOQ, SOW and SCC	4000.00	NO	02 (Two) Years	37.05	148200.00	18%	174876.00	
8	ITEM 8	Replacement of open Tube light connector: Replacement of open Tube light connector as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	37.05	1852.50	18%	2185.95	

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	Replacement of open TL Rotaty holder: Replacement of open TL Rotary holder as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	37.05	1111.50	18%	1311.57	
10	ITEM 10	Repair & Replace of open TL fittings : Repair & replace of open TL fittings as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	97.71	9771.00	18%	11529.78	
11	ITEM 11	Rewiring of Open Tube light fittings: Rewiring of Open Tube light fittings as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	76.79	23037.00	18%	27183.66	
12	ITEM 12	Replacement of High bay connector: Replacement of High bay connector as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	76.79	767.90	18%	906.12	
13	ITEM 13	Replacement of LED High bay light fuse: Replacement of LED High bay light fuse as per BOQ, SOW and SCC.	5.00	NO	02 (Two) Years	76.79	383.95	18%	453.06	
14	ITEM 14	Replacement of 200W-400W LED driver: Replacement of 200W-400W LED driver as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	76.79	3839.50	18%	4530.61	
15	ITEM 15	Repair/replace of 40-100W LED Chip set: Repair/replace of 40 100W LED Chip set as per BOQ, SOW and SCC	40.00	NO	02 (Two) Years	76.79	3071.60	18%	3624.49	
16	ITEM 16	Repair/ Replace of 40-100W LED driver: Repair/ Replace of 40-100W LED driver as per BOQ, SOW and SCC	400.00	NO	02 (Two) Years	76.79	30716.00	18%	36244.88	
17	ITEM 17	Replacement of 40W LED wellglass fitting: Replacement of 40W LED well glass fitting as per BOQ, SOW and SCC	6500.00	NO	02 (Two) Years	266.33	1731145.00	18%	2042751.10	
18	ITEM 18	Replace of 100W LED street light fitting: Replacement of 100W LED Street light fitting as per BOQ, SOW and SCC.	500.00	NO	02 (Two) Years	214.10	107050.00	18%	126319.00	
19	ITEM 19	Replacement of 160W highbay fitting: Replacement of 160W high bay fitting as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	214.10	64230.00	18%	75791.40	
20	ITEM 20	Replacement of 200W-400W LED FL : Replacement of 200W-400W LED flood light as per BOQ, SOW and SCC	500.00	NO	02 (Two) Years	297.76	148880.00	18%	175678.40	
21	ITEM 21	Replacement of 15W-40W LED ceiling light: Replacement of 15W-40W LED ceiling light as per BOQ, SOW and SCC	200.00	NO	02 (Two) Years	172.27	34454.00	18%	40655.72	
22	ITEM 22	Replacement of LED lamps upto 40W: Replacement of LED lamps up to 40W as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	76.79	7679.00	18%	9061.22	
23	ITEM 23	Install. & comm. of TL/BH/CFL fitting: Installation & commissioning of TL/BH/CFL fitting as per BOQ, SOW and SCC.		NO	02 (Two) Years	221.13	221130.00	18%	260933.40	

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
24	ITEM 24	Install. & comm. of 40W LED W/G fitting: Installation & commissioning of 40W LED Well Glass fitting as per BOQ, SOW and SCC.	600.00	NO	02 (Two) Years	233.11	139866.00	18%	165041.88	
25	ITEM 25	Install. &comm. of 100W Street light fig: Installation &commissioning of 100W Street light fitting as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	478.19	23909.50	18%	28213.21	
26	ITEM 26	Install. & comm. 200W-400W FL fitting: Installation & commissioning of 200W-400W Flood light fitting as per BOQ, SOW and SCC.	60.00	NO	02 (Two) Years	233.11	13986.60	18%	16504.19	
27	ITEM 27	Install. &comm. of LED chimney light ftg: Installation &commissioning of LED chimney light fitting as per BOQ, SOW and SCC	40.00	NO	02 (Two) Years	1205.42	48216.80	18%	56895.82	
28	ITEM 28	Install. & comm. of Tower light fitting: Installation & commissioning of Tower light fitting as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	478.19	47819.00	18%	56426.42	
29	ITEM 29	Temp. instal. of (100W-400W) Light ftg: Temporary installation of (100W-400W) Light fitting as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	233.11	69933.00	18%	82520.94	
30	ITEM 30	Dismantl. of temp. ftgs(100W-400W): Dismantling of temporary installed (100W-400W) fittings as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	130.04	39012.00	18%	46034.16	
31	ITEM 31	Dismantling of Tube light fitting: Dismantling of Tube light fitting as per BOQ, SOW and SCC.	200.00	NO	02 (Two) Years	74.72	14944.00	18%	17633.92	
32	ITEM 32	Dismantling of Chimney light fitting: Dismantling of Chimney light fitting & repair as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	743.99	29759.60	18%	35116.33	
33	ITEM 33	Reconn. of street light ftg to O/H line: Reconnection of street light fittings to O/H lines as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	106.90	5345.00	18%	6307.10	
34	ITEM 34	Rectification of Circuit fault : Rectification of Circuit fault as per BOQ, SOW and SCC	2000.00	NO	02 (Two) Years	116.55	233100.00	18%	275058.00	
35	ITEM 35	Maintenance of PG upto 5KVA with spares: Maintenance of PG up to 5KVA with spares as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	848.56	8485.60	18%	10013.01	
36	ITEM 36	Cleaning of Open type LED TL fitting: Cleaning of Open type LED TL fitting as per BOQ, SOW and SCC.	1000.00	NO	02 (Two) Years	76.79	76790.00	18%	90612.20	
37	ITEM 37	Cleaning of closed type LED TL fitting: Cleaning of closed type LED TL fitting as per BOQ, SOW and SCC.	200.00	NO	02 (Two) Years	76.79	15358.00	18%	18122.44	
38	ITEM 38	Cleaning of LED Street light fixture : Cleaning of LED Street light fixture as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	77.38	7738.00	18%	9130.84	

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
39	ITEM 39	Clng of Clng/exh./wall/pdstl fan/man clr: Cleaning of Ceiling fan/exhaust fan/ wall mount fan/ pedestal fan/ man cooler as per BOQ, SOW and SCC.	700.00	NO	02 (Two) Years	85.18	59626.00	18%	70358.68	
40	ITEM 40	Cleaning of 40W-400W LED fittings: Cleaning of 40W-400W LED fittings as per BOQ, SOW and SCC	3000.00	NO	02 (Two) Years	65.11	195330.00	18%	230489.40	
41	ITEM 41	Cleaning of LDB/JB/weld. rect./M swi/SFU: Cleaning of LDB/JB/ welding receptacle/ main switches/ SFU as per BOQ, SOW and SCC.	500.00	NO	02 (Two) Years	200.20	100100.00	18%	118118.00	
42	ITEM 42	Cleaning of Fdr pillar/ Aux. Board/ MLDB : Cleaning of Feeder pillar/ Auxiliary Board/ MLDB as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	325.70	3257.00	18%	3843.26	
43	ITEM 43	Repair/ Replace of 5/15A switch: Repair or Replacement of 5/15A switch as per BOQ, SOW and SCC.	1250.00	NO	02 (Two) Years	45.41	56762.50	18%	66979.75	
44	ITEM 44	Repair/ Replace of 5/15A socket: Repair or Replacement of 5/15A socket as per BOQ, SOW and SCC.	750.00	NO	02 (Two) Years	45.41	34057.50	18%	40187.85	
45	ITEM 45	Repair/ Replace of 5/15A plug tops: Repair or Replacement of 5/15A plug tops as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	45.41	4541.00	18%	5358.38	
46	ITEM 46	Repair/ Replace of 5/15A combined socket: Repair or Replacement of 5/15A combined switch socket as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	45.41	2270.50	18%	2679.19	
47	ITEM 47	Rep/Replace of SPN Main Switch up to 32A: Repair or Replacement of SPN main switch up to 32A as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	235.50	2355.00	18%	2778.90	
48	ITEM 48	Repair/ Replace of TPN upto 100A: Repair or Replacement of TPN up to 100A as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	235.50	2355.00	18%	2778.90	
49	ITEM 49	Rep/Repl. of 20A ind. plug socket/starte: Repair or Replacement of 20A Industrial plug socket/ Starters as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	110.02	4400.80	18%	5192.94	
50	ITEM 50	Repair/ Replace of call bell: Repair or Replacement of call bell as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	45.41	454.10	18%	535.84	
51	ITEM 51	Repair/ Replace of Timers: Repair or Replacement of Timers as per BOQ, SOW and SCC.	250.00	NO	02 (Two) Years	139.53	34882.50	18%	41161.35	
52	ITEM 52	Rep/Repl of (32-250A) contactor/MCB/MCCB: Repair or Replacement of (32-250A) contactor/ MCB/ MCCB as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	256.96	10278.40	18%	12128.51	
53	ITEM 53	Repair/Replace of (32-250A) SFU/ Main s : Repair or Replacement of (32-250A) SFU/ Main switch as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	256.96	7708.80	18%	9096.38	

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
54	ITEM 54	Repair/Replace of TB, Connector up to 63: Repair or Replacement of TB, Connector up to 63A as per BOQ, SOW and SCC.	400.00	NO	02 (Two) Years	30.62	12248.00	18%	14452.64	
55	ITEM 55	Repair/ Replace of 1ph energy meter: Repair or Replacement of single phase energy meter as per BOQ, SOW and SCC.	30.00	NO	02 (Two) Years	215.14	6454.20	18%	7615.96	
56	ITEM 56	Repair/ Replace of Rewirable fuses: Repair or Replace of rewirable fuses as per BOQ, SOW and SCC	800.00	NO	02 (Two) Years	110.56	88448.00	18%	104368.64	
57	ITEM 57	Repair/ Replace of HRC fuses: Repair or Replacement of HRC fuses as per BOQ, SOW and SCC.	900.00	NO	02 (Two) Years	45.41	40869.00	18%	48225.42	
58	ITEM 58	Repair/Repl. of 250-400A SFU/ TPN/ M Swi: Repair or Replacement of 250-400A SFU/ TPN/ Main switches as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	267.43	8022.90	18%	9467.02	
59	ITEM 59	Repair/ Replace of Cut-out upto 100A: Repair or Replacement of Cut-out up to 100A as per BOQ, SOW and SCC.	20.00	NO	02 (Two) Years	110.56	2211.20	18%	2609.22	
60	ITEM 60	Dismantling of Ceiling fan complete: Dismantling of Ceiling fan complete as per BOQ, SOW and SCC.	200.00	NO	02 (Two) Years	74.72	14944.00	18%	17633.92	
61	ITEM 61	Assembly & installation of ceiling fan : Assembly & installation of ceiling fan as per BOQ, SOW and SCC.	250.00	NO	02 (Two) Years	325.70	81425.00	18%	96081.50	
62	ITEM 62	Overhauling of ceiling fan : Overhauling of ceiling fan as per BOQ, SOW and SCC.	20.00	NO	02 (Two) Years	298.90	5978.00	18%	7054.04	
63	ITEM 63	Replacement of fan capacitor: Replacement of fan capacitor as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	108.16	32448.00	18%	38288.64	
64	ITEM 64	Replacement of fan regulator : Replacement of fan regulator as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	108.16	10816.00	18%	12762.88	
65	ITEM 65	Dismantling of Exhaust fans complete: Dismantling of Exhaust fans complete as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	95.64	4782.00	18%	5642.76	
66	ITEM 66	Inst. & comm. of exht fan with hole maki : Installation & commissioning of exhaust fan with making of hole as per BOQ, SOW and SCC.	80.00	NO	02 (Two) Years	886.30	70904.00	18%	83666.72	
67	ITEM 67	Inst. & comm. of exht fan w/o hole makin: Installation & commissioning of exhaust fan without making of hole as per BOQ, SOW and SCC.	80.00	NO	02 (Two) Years	321.33	25706.40	18%	30333.55	
68	ITEM 68	Dismantling of Cables/wires upto 10 sqnm: Dismantling of Cables/wires up to 10 sq. mm as per BOQ, SOW and SCC.	5000.00	NO	02 (Two) Years	20.33	101650.00	18%	119947.00	

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
69	ITEM 69	Dismantling of Cables upto 50sqmm on sur: Dismantling of surface cables up to 50 sq.mm as per BOQ, SOW and SCC.	6000.00	NO	02 (Two) Years	20.33	121980.00	18%	143936.40	
70	ITEM 70	Dismantling of Cables upto 50 sqmm u/g: Dismantling of underground Cables up to 50 sq. mm as per BOQ, SOW and SCC	200.00	NO	02 (Two) Years	66.33	13266.00	18%	15653.88	
71	ITEM 71	Temporary Cable laying upto 25 Sq.mm : Temporary Cable laying up to 25 Sq.mm as per BOQ, SOW and SCC	6000.00	NO	02 (Two) Years	34.09	204540.00	18%	241357.20	
72	ITEM 72	Temporary Cable laying above 25 sq.mm : Temporary Cable laying above 25 sq.mm as per BOQ, SOW and SCC	3000.00	NO	02 (Two) Years	37.89	113670.00	18%	134130.60	
73	ITEM 73	Temporary Cables joint upto 50 sq.mm: Temporary Cables joint up to 50 sq. mm as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	269.04	2690.40	18%	3174.67	
74	ITEM 74	Temporary Cable joint above 50 sq.mm : Temporary Cable joint above 50 sq. mm as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	355.05	7101.00	18%	8379.18	
75	ITEM 75	Cable layi on tray/wall/surface upto50sq : Cable laying on tray/wall/surface up to 50 sq.mm as per BOQ, SOW and SCC	4000.00	NO	02 (Two) Years	58.29	233160.00	18%	275128.80	
76	ITEM 76	Cable laying under ground upto 50sq.mm: Underground cable laying up to 50 sq. mm as per BOQ, SOW and SCC.	250.00	NO	02 (Two) Years	225.89	56472.50	18%	66637.55	
77	ITEM 77	Cable joint with supply of kit upto 16sq : Cable joint with supply of kit up to 16 sq.mm as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	2587.76	25877.60	18%	30535.57	
78	ITEM 78	Cable joint with supply of kit upto 50sq: Cable jointing with supply of kit up to 50 sq. mm as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	3894.65	38946.50	18%	45956.87	
79	ITEM 79	Cable end termination Upto 50 sqmm : Cable End termination up to 50 sq. mm as per BOQ, SOW and SCC.	1500.00	NO	02 (Two) Years	89.65	134475.00	18%	158680.50	
80	ITEM 80	Cable end termination Above 50 sqmm : Cable End termination Above 50 sq. mm as per BOQ, SOW and SCC	150.00	NO	02 (Two) Years	190.26	28539.00	18%	33676.02	
81	ITEM 81	Dismantling of LDB/ SFU/ welding board : Dismantling of LDB/ SFU/ welding board as per BOQ, SOW and SCC	200.00	NO	02 (Two) Years	221.13	44226.00	18%	52186.68	
82	ITEM 82	Painting of LDB, MDB, JB : Painting of LDB, MDB, JB as per BOQ, SOW and SCC	250.00	1/SQM	02 (Two) Years	219.82	54955.00	18%	64846.90	
83	ITEM 83	Maintenance of Industrial switch &socket: Maintenance of Industrial switch & socket as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	221.13	11056.50	18%	13046.67	

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
84	ITEM 84	Maintenance of Junction Boxes :Maintenance of Junction Boxes as per BOQ, SOW and SCC	2000.00	NO	02 (Two) Years	221.13	442260.00	18%	521866.80	
85	ITEM 85	Maintenance of Main switches/ LDB/ MCCB: Maintenance of Main switches/ LDB/ MCCB as per BOQ, SOW and SCC	150.00	NO	02 (Two) Years	442.26	66339.00	18%	78280.02	
86	ITEM 86	Maintenance of Flash over/damage boards: Maintenance of Flash over/ damaged boards as per BOQ, SOW and SCC.	15.00	NO	02 (Two) Years	442.26	6633.90	18%	7828.00	
87	ITEM 87	Maint. of MLDB/Aux. LTG board/Fdr Pillar : Maintenance of MLDB/Aux. LTG boards/ Feeder Pillar with breaker as per BOQ, SOW and SCC		NO	02 (Two) Years	643.16	12863.20	18%	15178.58	
88	ITEM 88	Installation of Street Ltg JB/ Ltg JB : Installation of Street Light JB/ Light JB as per BOQ, SOW and SCC	65.00	NO	02 (Two) Years	355.05	23078.25	18%	27232.34	
89	ITEM 89	Instaln of LDB/Fdr pillar/MCC/Weld. Recp: Installation of LDB/ Feeder pillar/ MCC/ Welding Receptacle as per BOQ, SOW and SCC.	2000.00	KG	02 (Two) Years	118.92	237840.00	18%	280651.20	
90	ITEM 90	Installation of JB cover : Installation of JB cover as per BOQ, SOW and SCC	750.00	NO	02 (Two) Years	53.81	40357.50	18%	47621.85	
91	ITEM 91	Repair & maint. of Highmast GB: Repair & maintenance of High-Mast GB as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	650.19	65019.00	18%	76722.42	
92	ITEM 92	Man power assistance (SW): Man power assistance (SW) as per BOQ, SOW and SCC	645.00	NO	02 (Two) Years	987.55	636969.75	18%	751624.31	
93	ITEM 93	Man power assistance (SSW) : Man power assistance (SSW) as per BOQ, SOW and SCC	561.00	NO	02 (Two) Years	840.19	471346.59	18%	556188.98	
94	ITEM 94	Timer setting: Timer setting as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	47.86	14358.00	18%	16942.44	
95	ITEM 95	Rectification of power supply : Rectification of power supply as per BOQ, SOW and SCC.	1500.00	NO	02 (Two) Years	325.70	488550.00	18%	576489.00	
96	ITEM 96	Welding : Welding as per BOQ, SOW and SCC	130.00	METER	02 (Two) Years	409.55	53241.50	18%	62824.97	
97	ITEM 97	Gas cutting: Gas cutting as per BOQ, SOW and SCC	100.00	METER	02 (Two) Years	321.33	32133.00	18%	37916.94	
98	ITEM 98	Cutting of tree branches : Cutting of tree branches as per BOQ, SOW and SCC	3600.00	NO	02 (Two) Years	40.40	145440.00	18%	171619.20	

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
99	ITEM 99	Excavation of earth : Excavation of earth as per BOQ, SOW and SCC	5000.00	CUBIC FOOT	02 (Two) Years	40.99	204950.00	18%	241841.00	
100	ITEM 100	Const. of earth pit withsupply of e.pipe: Construction of earth pit with supply of earth pipe as per BOQ, SOW and SCC	25.00	NO	02 (Two) Years	7623.14	190578.50	18%	224882.63	
101	ITEM 101	Supply & installation of GI earth rod: Supply & installation of GI earth rod as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	562.25	5622.50	18%	6634.55	
102	ITEM 102	Supply & installation of 25x4mm GI flat: Supply & installation of 25x4 mm GI flat as per BOQ, SOW and SCC	100.00	METER	02 (Two) Years	159.84	15984.00	18%	18861.12	
103	ITEM 103	Repair of earth pit : Repair of earth pit as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	949.69	18993.80	18%	22412.68	
104	ITEM 104	Dismantling of Stay set with base plate : Dismantling of Stay set with base plate as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	528.85	5288.50	18%	6240.43	
105	ITEM 105	Erectn. of 7/14 swg stay set with supply: Erection of 7/14 SWG stay set with supply of stay set as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	4846.13	48461.30	18%	57184.33	
106	ITEM 106	Erection of 7/14 swg stay set w/o supply: Erection of 7/14 SWG stay set w/o supply of stay set as per BOQ, SOW and SCC.	10.00	NO	02 (Two) Years	3073.13	30731.30	18%	36262.93	
107	ITEM 107	Dismantling of LT pole / Lighting pole : Dismantling of LT pole / Lighting pole as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	1167.95	46718.00	18%	55127.24	
108	ITEM 108	Erection of tubular/ Joist/Rail pole 9 m : Erection of 9 meter tubular/ Joist/Rail pole as per BOQ, SOW and SCC	25.00	NO	02 (Two) Years	4681.65	117041.25	18%	138108.68	
109	ITEM 109	Erection of Tubular/ Joist/Rail pole11 m : Erection of 11 meter Tubular/ Joist/ Rail pole as per BOQ, SOW and SCC	25.00	NO	02 (Two) Years	4681.65	117041.25	18%	138108.68	
110	ITEM 110	Dismantling of Overhead line conductor: Dismantling of Overhead line conductor as per BOQ, SOW and SCC.	1500.00	METER	02 (Two) Years	35.52	53280.00	18%	62870.40	
111	ITEM 111	Stringing/Restringing of O/H line conduc : Stringing/ Restringing of O/H line conductors as per BOQ, SOW and SCC.	2000.00	METER	02 (Two) Years	33.11	66220.00	18%	78139.60	
112	ITEM 112	Supply & installation of 8 swg GI wire : Supply & installation of 8 SWG GI wire as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	106.53	5326.50	18%	6285.27	
113	ITEM 113	Painting of lighting poles : Painting of lighting poles as per BOQ, SOW and SCC.	200.00	NO	02 (Two) Years	705.40	141080.00	18%	166474.40	

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
114	ITEM 114	Making of Muffing for LT/Ltg pole :Making of Muffing for LT/Lighting pole as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	2265.12	45302.40	18%	53456.83	
115	ITEM 115	Repair of Muffing for LT/Ltg pole : Repair of Muffing for LT/Ltghting pole as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	1323.14	132314.00	18%	156130.52	
116	ITEM 116	Making of conc foundn for GI pole double: Making of concrete foundation for GI pole double arm as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	9082.25	90822.50	18%	107170.55	
117	ITEM 117	Making of conc foundn for GI pole single: Making of concrete foundation for GI pole single arm as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	5540.41	55404.10	18%	65376.84	
118	ITEM 118	Clean/Rep of smoke detector, CHP area by : Clean/ Rep of smoke detector, CHP area by scaffolding as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	850.47	85047.00	18%	100355.46	
119	ITEM 119	Clean/Rep of smoke detector, CHP area by : CClean/Rep of smoke detector, CHP area by ladder as per BOQ, SOW and SCC	250.00	NO	02 (Two) Years	505.78	126445.00	18%	149205.10	
120	ITEM 120	Clean/Repl of smoke dtetr by scaffolding: Clean/Replace of smoke detector, PH area by scaffolding as per BOQ, SOW and SCC		NO	02 (Two) Years	584.84	204694.00	18%	241538.92	
121	ITEM 121	Clean/Repl of smoke dtctr by ladder inPH: Clean/Replace of smoke detector, PH area by ladder as per BOQ, SOW and SCC.	550.00	NO	02 (Two) Years	402.48	221364.00	18%	261209.52	
122	ITEM 122	Cleaning & Maint. of FDA system : Cleaning & Maintenance of FDA system as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	430.28	43028.00	18%	50773.04	
123	ITEM 123	Cleaning & maint. of Fire fighting panel: Cleaning & maintenance of firefighting panels as per BOQ, SOW and SCC	150.00	NO	02 (Two) Years	358.21	53731.50	18%	63403.17	
124	ITEM 124	Cleaning & maint. of Fire fighting batte : Cleaning & maintenance of firefighting batteries as per BOQ, SOW and SCC		NO	02 (Two) Years	105.32	56872.80	18%	67109.90	
125	ITEM 125	Repairing of self starter: Repairing of self-starter as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	2027.29	20272.90	18%	23922.02	
126	ITEM 126	Clean/rep of suction vents by scaffoldin: Clean/rep of suction vents by scaffolding as per BOQ, SOW and SCC.	150.00	NO	02 (Two) Years	702.91	105436.50	18%	124415.07	
127	ITEM 127	Clean/rep of suction vents using ladder : Clean/rep of suction vents by using ladder as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	607.06	18211.80	18%	21489.92	
128	ITEM 128	Removal & reinstall of motor by scaffold : Removal & reinstallation of motor by scaffolding as per BOQ, SOW and SCC		NO	02 (Two) Years	1994.40	39888.00	18%	47067.84	

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
129	ITEM 129	Removal & reinstall of motor by ladder : Removal & reinstallation of motor by using ladder as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	1203.34	120334.00	18%	141994.12	
130	ITEM 130	Maint. of motor by making scaffolding: Maintenance of motor by making scaffolding as per BOQ, SOW and SCC.	25.00	NO	02 (Two) Years	924.26	23106.50	18%	27265.67	
131	ITEM 131	Maint. of motor by using ladder: Maintenance of motor by using ladder as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	550.05	55005.00	18%	64905.90	
132	ITEM 132	Maint. of Ventillation/Chiller MCCs: Maintenance of Ventilation/ Chiller MCCs as per BOQ, SOW and SCC.	30.00	NO	02 (Two) Years	1733.06	51991.80	18%	61350.32	
133	ITEM 133	Cleaning & maintenance of LCC: Cleaning & maintenance of LCC as per BOQ, SOW and SCC.	536.00	NO	02 (Two) Years	347.26	186131.36	18%	219635.00	
134	ITEM 134	Replace of PB/ indication lamps : Replace of PB/ indication lamps as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	347.26	34726.00	18%	40976.68	
135	ITEM 135	Cleaning and maint. of swtch gear module: Cleaning and maintenance of switch gear module as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	870.13	43506.50	18%	51337.67	
136	ITEM 136	Cble ReLugging & termination Upto 16 sqmm: Cable Re- Lugging and termination up to 16 sq.mm as per BOQ, SOW and SCC	200.00	NO	02 (Two) Years	159.04	31808.00	18%	37533.44	
137	ITEM 137	Clean/replace of heat/smoke detectors: Clean/ replacement of heat/ smoke detectors at bunker floor by scaffolding as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	3329.92	166496.00	18%	196465.28	
138	ITEM 138	LHS cable laying in FDA system : LHS cable laying in FDA system as per BOQ, SOW and SCC	400.00	NO	02 (Two) Years	155.96	62384.00	18%	73613.12	
139	ITEM 139	Maint. of Ventilation/Chiller MCCs/ASPH: Maintenance of Ventilation/ Chiller MCCs/ ASPH MCC/ HT Switch Board as per BOQ, SOW and SCC		NO	02 (Two) Years	5941.20	59412.00	18%	70106.16	
140	ITEM 140	Maint. Of AC MCCs: Maintenance of AC MCCs as per BOQ, SOW and SCC	15.00	NO	02 (Two) Years	2585.19	38777.85	18%	45757.86	
141	ITEM 141	Replemnt/Instlton of 1.5/ 2.5/ 4/6 sqmm : Replacement/Installation of 1.5/ 2.5/ 4.0/ 6.0 sq. mm Cu wire as per BOQ, SOW and SCC.	7000.00	METER	02 (Two) Years	55.62	389340.00	18%	459421.20	
142	ITEM 142	Supply of 1.5 sqmm flexible Cu wire: Supply of 1.5 sq.mm flexible Cu wire as per BOQ, SOW and SCC	1000.00	METER	02 (Two) Years	11.30	11300.00	18%	13334.00	
143	ITEM 143	Supply of 2.5 sqmm flexible Cu wire: Supply of 2.5 sq.mm flexible Cu wire as per BOQ, SOW and SCC	1000.00	METER	02 (Two) Years	18.82	18820.00	18%	22207.60	

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
144	ITEM 144	Supply of 4.0 sqmm copper flexible wire: Supply of 4.0 sq.mm copper flexible wire as per BOQ, SOW and SCC	1000.00	METER	02 (Two) Years	72.11	72110.00	18%	85089.80	
145	ITEM 145	Supply of 6.0 sqmm copper flexible wire: Supply of 6.0 sq.mm copper flexible wire as per BOQ, SOW and SCC	1000.00	METER	02 (Two) Years	100.12	100120.00	18%	118141.60	
146	ITEM 146	Supply of 4.0 sqmm Al. flexible wire: Supply of 4.0 sq.mm Aluminium flexible wire as per BOQ, SOW and SCC	200.00	METER	02 (Two) Years	43.06	8612.00	18%	10162.16	
147	ITEM 147	Supply of 6.0 sqmm Al. flexible wire: Supply of 6.0 sq.mm Aluminium flexible wire as per BOQ, SOW and SCC.	200.00	METER	02 (Two) Years	58.62	11724.00	18%	13834.32	
148	ITEM 148	Dismantling of PVC/GI Conduit wiring: Dismantling of PVC/GI Conduit wiring as per BOQ, SOW and SCC	400.00	METER	02 (Two) Years	24.51	9804.00	18%	11568.72	
149	ITEM 149	Dismntlng of Casingcapping/batten wiring: Dismantling of Casing capping/ batten wiring as per BOQ, SOW and SCC.	200.00	METER	02 (Two) Years	24.51	4902.00	18%	5784.36	
150	ITEM 150	Suply&lying of 1/2"PVCconduits on surfce : Supply & laying of 1/2" PVC conduits on surface as per BOQ, SOW and SCC	300.00	METER	02 (Two) Years	58.81	17643.00	18%	20818.74	
151	ITEM 151	Suply&lying of 3/4"PVCconduits on surfce: Supply & laying of 3/4" PVC conduits on surface 3/4 as per BOQ, SOW and SCC	2000.00	METER	02 (Two) Years	64.74	129480.00	18%	152786.40	
152	ITEM 152	Suply&layngof1"PVC conduits on surface: Supply & laying of 1" PVC conduits on surface 1 as per BOQ, SOW and SCC.	100.00	METER	02 (Two) Years	69.96	6996.00	18%	8255.28	
153	ITEM 153	Sply&lying of 1/2" PVC concled conduit : Supply & laying of 1/2" PVC concealed conduit as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	59.52	2976.00	18%	3511.68	
154	ITEM 154	Suply&lying of3/4"PVC concled conduit : Supply & laying of 3/4" PVC concealed conduit as per BOQ, SOW and SCC	1000.00	METER	02 (Two) Years	62.13	62130.00	18%	73313.40	
155	ITEM 155	Suply&lying of1"PVC concled conduit: Supply & laying of 1" PVC concealed conduit as per BOQ, SOW and SCC	200.00	METER	02 (Two) Years	63.44	12688.00	18%	14971.84	
156	ITEM 156	Suply&lying of1/2"GI conduits on surface : Supply & laying of 1/2" GI conduits on surface as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	100.01	5000.50	18%	5900.59	
157	ITEM 157	Suply&lying of 3/4"GI conduits on surface: Supply & laying of 3/4" GI conduits on surface as per BOQ, SOW and SCC	100.00	METER	02 (Two) Years	113.05	11305.00	18%	13339.90	
158	ITEM 158	Suply&lying of 1"GI conduits on surface : Supply & laying of 1" GI conduits on surface as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	126.07	6303.50	18%	7438.13	

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
159	ITEM 159	Suply&lying of1/2"GI concealed conduits : Supply & laying of 1/2" GI concealed conduits as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	116.87	5843.50	18%	6895.33	
160	ITEM 160	Suply&lying of3/4"GI concealed conduits: Supply & laying of 3/4" GI concealed conduits as per BOQ, SOW and SCC.	50.00	METER	02 (Two) Years	123.38	6169.00	18%	7279.42	
161	ITEM 161	Suply&laying of 1"GI concealed conduits: Supply & laying of 1" GI concealed conduits as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	136.42	6821.00	18%	8048.78	
162	ITEM 162	Suply&CsingCapingWiring,2X1.5sqmm cuwire: Supply & Casing Capping Wiring, 2X1.5 sq. mm Copper wire as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	67.35	3367.50	18%	3973.65	
163	ITEM 163	Suply&CsingCapingWiring,2X2.5sqmm cuwire : Supply & Casing Capping Wiring, 2X2.5 sq. mm Copper wire as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	80.37	4018.50	18%	4741.83	
164	ITEM 164	Suply&CsingCapingWiring,2X4sqmm cuwire : Supply & Casing Capping Wiring, 2X4 sq. mm Copper wire as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	84.28	4214.00	18%	4972.52	
165	ITEM 165	Suply&CsingCapingWiring,2X6sqmm cuwire : Supply & Casing Capping Wiring, 2X6 sq. mm Copper wire as per BOQ, SOW and SCC	50.00	METER	02 (Two) Years	110.93	5546.50	18%	6544.87	
166	ITEM 166	Suply&instaltonofwodn/PVCBrd 4"X4" size : Supply & installation of wooden / PVC Board 4"X4" size as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	64.74	2589.60	18%	3055.73	
167	ITEM 167	Suply&instaltonofwodn/PVCBrd 6"X4" size : Supply & installation of wooden/ PVC Board 6"X4" size as per BOQ, SOW and SCC.	40.00	NO	02 (Two) Years	71.24	2849.60	18%	3362.53	
168	ITEM 168	Suply&instaltonofwodn/PVCBrd 8"X6" size : Supply & installation of wooden / PVC Board 8" X 6" size as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	84.28	2528.40	18%	2983.51	
169	ITEM 169	Suply&instaltonofwodn/PVCBrd 8"X10" size : Supply & installation of wooden/ PVC Board 8"X10" size as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	97.31	1946.20	18%	2296.52	
170	ITEM 170	Suply&instaltonofwodn/PVCBrd 1"X12" size : Supply & installation of wooden Board / PVC 10"X12" size as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	103.84	1038.40	18%	1225.31	
171	ITEM 171	Supply & installation of GI boards 4"X4": Supply & installation of GI boards 4"X4" size as per BOQ, SOW and SCC	250.00	NO	02 (Two) Years	71.25	17812.50	18%	21018.75	
172	ITEM 172	Supply & installation of GI boards 6"X4": Supply & installation of GI boards 6"X4" size as per BOQ, SOW and SCC.	120.00	NO	02 (Two) Years	84.28	10113.60	18%	11934.05	
173	ITEM 173	Supply & installation of GI boards 8"X6": Supply & installation of GI boards 8"X6" size as per BOQ, SOW and SCC	80.00	NO	02 (Two) Years	103.84	8307.20	18%	9802.50	

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
174	ITEM 174	Supply & installation of GI boards 8"X10 : Supply & installation of GI boards 8"X10" size as per BOQ, SOW and SCC	40.00	NO	02 (Two) Years	145.62	5824.80	18%	6873.26	
175	ITEM 175	Supply& installation of GI boards 10"X12 : Supply & installation of GI boards 10"X12" size as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	171.68	3433.60	18%	4051.65	
176	ITEM 176	Supply of 5A piano switch : Supply of 5A piano switch as per BOQ, SOW and SCC	400.00	NO	02 (Two) Years	27.61	11044.00	18%	13031.92	
177	ITEM 177	Supply of 15A piano switch : Supply of 15A piano switch as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	56.48	1694.40	18%	1999.39	
178	ITEM 178	Supply of 5A 5 pin socket : Supply of 5A, 5 pin socket as per BOQ, SOW and SCC	400.00	NO	02 (Two) Years	37.65	15060.00	18%	17770.80	
179	ITEM 179	Supply of 15A 3 pin/6pin socket: Supply of 15A, 3 pin/6pin socket as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	62.76	3138.00	18%	3702.84	
180	ITEM 180	Supply of 5/15A combined switch socket: Supply of 5/15A combined switch socket as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	138.06	4141.80	18%	4887.32	
181	ITEM 181	Supply of Buzzer : Supply of Buzzer as per BOQ, SOW and SCC	30.00	NO	02 (Two) Years	87.87	2636.10	18%	3110.60	
182	ITEM 182	Supply of Bell push switch : Supply of Bell push switch as per BOQ, SOW and SCC.	30.00	NO	02 (Two) Years	28.53	855.90	18%	1009.96	
183	ITEM 183	Supply of Ding dong bell : Supply of Ding dong bell as per BOQ, SOW and SCC	20.00	NO	02 (Two) Years	225.92	4518.40	18%	5331.71	
184	ITEM 184	Supply of 5A top : Supply of 5A top as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	37.65	3765.00	18%	4442.70	
185	ITEM 185	Supply of 15A top: Supply of 15A top as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	56.48	5648.00	18%	6664.64	
186	ITEM 186	Supply of Single tube fixer/bracket : Supply of Single tube fixer/bracket as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	22.82	2282.00	18%	2692.76	
187	ITEM 187	Supply of Double TL fixer/bracket: Supply of Double TL fixer/bracket as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	46.44	4644.00	18%	5479.92	
188	ITEM 188	Suply of Porcln scrw typ hlder E27/40 : Supply of Porcelain screw type holder E27/40 as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	60.25	3012.50	18%	3554.75	

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
189	ITEM 189	Supply of 15-20W LED lamp ES/BC base : Supply of 15-20W LED lamp ES/BC base as per BOQ, SOW and SCC	10.00	NO	02 (Two) Years	374.99	3749.90	18%	4424.88	
190	ITEM 190	SuplyofLED street light mounting adopter: Supply of LED street light mounting adopter as per BOQ, SOW and SCC.	50.00	NO	02 (Two) Years	330.04	16502.00	18%	19472.36	
191	ITEM 191	Supply of 20W LED Tube light connector: Supply of 20W LED Tube light connector as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	20.08	1004.00	18%	1184.72	
192	ITEM 192	Supply of Stopper pin for tube fixture: Supply of Stopper pin for tube fixture as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	6.27	313.50	18%	369.93	
193	ITEM 193	Supply of Ceiling rose/TL rotary holder: Supply of Ceiling rose/TL rotary holder as per BOQ, SOW and SCC	300.00	NO	02 (Two) Years	31.37	9411.00	18%	11104.98	
194	ITEM 194	Supply of 40W Wellglass LED driver: Supply of 40W Well glass LED driver as per BOQ, SOW and SCC.	100.00	NO	02 (Two) Years	342.89	34289.00	18%	40461.02	
195	ITEM 195	Supply of 100W Street Lgt LED driver: Supply of 100W Street Light LED driver as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	771.52	77152.00	18%	91039.36	
196	ITEM 196	Supply of 160W Highbay LED driver: Supply of 160W Highbay LED driver as per BOQ, SOW and SCC	70.00	NO	02 (Two) Years	1028.69	72008.30	18%	84969.79	
197	ITEM 197	Supply of 100W LED Flood Light driver: Supply of 100W LED Flood Light driver as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	771.52	38576.00	18%	45519.68	
198	ITEM 198	Supply of 200W LED Flood Light driver: Supply of 200W LED Flood Light driver as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	1457.32	72866.00	18%	85981.88	
199	ITEM 199	Supply of 300W LED Flood Light driver: Supply of 300W LED Flood Light driver as per BOQ, SOW and SCC	75.00	NO	02 (Two) Years	1714.49	128586.75	18%	151732.37	
200	ITEM 200	Supply of 400W LED Flood light driver: Supply of 400W LED Flood light driver as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	2143.12	107156.00	18%	126444.08	
201	ITEM 201	Supply of 2.25/2.50 mfd fan capacitor: Supply of 2.25/2.50 microfarad fan capacitor as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	69.03	3451.50	18%	4072.77	
202	ITEM 202	SuplyofResist./electonictype fan regltr : Supply of Resistance/ Electronic type fan regulator as per BOQ, SOW and SCC	50.00	NO	02 (Two) Years	193.97	9698.50	18%	11444.23	
203	ITEM 203	Hiring of Hydra 10T/12T : Hiring of Hydra 10T/12T as per BOQ, SOW and SCC	200.00	HOUR	02 (Two) Years	754.38	150876.00	18%	178033.68	

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Contract Period		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
204	ITEM 204	Hiring of Truck/Crane/Hydra Operator : Hiring of Truck/ Crane/ Hydra Operator as per BOQ, SOW and SCC	200.00	HOUR	02 (Two) Years	128.59	25718.00	18%	30347.24	
205	ITEM 205	Supply of 415V Pin type Insulator : Supply of 415V Pin type Insulator as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	188.59	18859.00	18%	22253.62	
206	ITEM 206	Supply of 25A-50A TB connector: Supply of 25A-50A TB connector as per BOQ, SOW and SCC	100.00	NO	02 (Two) Years	235.74	23574.00	18%	27817.32	
	TOTAL AMO	OUNT INCLUSIVE OF ALL TAXES (This total amount incl	13278863.40		15669058.81					
				Sele	ct Percentage	Quoting (+/-)	Select		15669058.81	

The total offer value inclusive of GST (for regestered Vendor), which is to be filled in GeM Portal Quotation Field = 15669058.81

#### NOTE

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