

NOTICE INVITING TENDER (NIT)**TENDER DOCUMENT**

(TENDER REF NO: KIAL/ENGG/AMC/208/2023)

**Name of Work: AIRSIDE MAINTENANCE WORKS FOR CIVIL, ELECTRICAL, IT,
LANDSCAPING & OTHER MISCELLANEOUS WORKS AT
KANNUR INTERNATIONAL AIRPORT FOR 2023 TO 2025**

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Certified that this NIT document contains serially numbered pages from 1 To 247 which includes the particulars stated above.

The NIT containing (247 pages are approved).

**MANAGING DIRECTOR
KANNUR INTERNATIONAL AIRPORT LTD**

Signature & Seal of Tenderer

**Kannur International Airport Limited
CIN: U63033KL2009SGC025103**

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

SECTION -I

NOTICE INVITING e-TENDER

Tenders are invited by Managing Director , on behalf of the Kannur International Airport Ltd, from eligible contractors for the following work.

1.	Name of Work	Airside Maintenance works for Civil, Electrical, Landscaping, IT & other miscellaneous works at Kannur International Airport for 2023 to 2025	
2.	Tender Number	KIAL/ENGG/AMC/208/2023	
3.	Estimate Amount	Rs.1,00,00,000 /- (Approx.)	
4.	Earnest Money Deposit (EMD)	Rs.50,000/-	
5.	Tender Submission Fee	Rs.5900/- (including GST)	
6.	Period of completion	24 Months	
7.	Document Download	Start Date: 18.09.2023 16:30Hrs.	End Date: 09.10.2023 14:00Hrs.
8.	Clarification	Start Date: 18.09.2023 18:00Hrs.	End Date: 26.09.2023 18:00Hrs.
9.	Bid Submission	Start Date: 19.09.2023 16:30Hrs.	End Date: 09.10.2023 16:00Hrs.
10.	Technical Bid Opening date and time	09.10.2023 at 16.30 Hrs.	
11.	Financial Bid Opening Date	Will be notified after the Technical Bid opening process	
12.	Form of Contract	Percentage Tender	

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SCOPE OF WORK

The scope of the work includes the following.

Airside Maintenance works for civil, electrical , IT, landscaping other miscellaneous works at Kannur International Airport (KIAL) for the period of Two year from the date of Award.

These scope shall cover all types of works either original or maintenance works pertains to civil, electrical, fire, HVAC, ELV etc.at airside of Kannur Airport. The contractor is expected to execute any item specified in the DSR 2021 for civil, electrical and horticulture work and other items in the SOQ.

All preventive maintenance and rectification works of HNS System, Sewer Line systems at both City side and Airside and Any items other than those mentioned in the schedule can also be ordered to execute, as extra items.

All Preventive maintenance works as per civil maintenance SoP and Maintenance Manual as per DCGA/CAR standards and maintaining Preventive Maintenance register, Works Registers. etc. as per the direction of Engineer In charge (for works payments shall be made as per BOQ rate).

The specific works shall be identified and ordered in writing by KIAL only on demand from stakeholders of Airport from time to time

Any civil, electrical or miscellaneous items in Airside (operational area) (maintenance and original works)

Normally city side works are not under the scope. However, the contractor is expected to execute any civil, electrical or miscellaneous items on any structure occupied by KIAL in City side, PTB, ATC, Ancillary Buildings or outside of Kannur Airport incase it is specifically required. (Maintenance and original works). Quantities of Items are not any definite quantity but subject to actual requirement from time to time. The contractor is expected to execute any SOQ items as per the rate specified plus or minus the quoted (above or below) percentage.

Also the contractor is expected to execute new items which are not included in SOQ, if required by the Kannur Airport. The rates for such items shall be purely based on market rate determined as per the clauses of contract. No quoted percentage (above or below) shall be applicable for the market rate (new items)

Qualifying requirements of Contractor/ Firm

The bidders shall be qualified only if they have commenced and completed works during last Seven (7) years ending 31.03.2023 as given below:

(i)The Bidder shall have commenced and completed one similar work (as defined below) of value not less than Rs.80 lakhs in a single contract during the last seven years prior to 31.03.2023. (Phase/part completion of work in contract shall not be considered)

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Or

(ii) The Bidder shall have commenced and completed two similar nature of works (as defined below) of value not less than Rs. 60.00 lakhs in each contract as during the last seven years prior to 31.03.2023 (Phase/part completion of work in contract shall not be considered)

Or

(iii) The Bidder shall have commenced and completed three similar works (as defined below) of value not less than Rs. 40.00 lakhs in each contract as during the last seven years prior to 31.03.2023. (Phase/part completion of work in contract shall not be considered)

Similar Work means “Maintenance works/Construction Works in civil at Airports/ Metro Rail/ Reputed corporate bodies. But the agency shall associate an electrical agency having minimum B class license with 250KVA capacity. The bidder should mention the name of the electrical associate agency, attach their credentials and their consent letter to associate along with the tender.”

Note 1: The Bidder should give the required documentary evidence for the eligibility as per Annexure – 21 format.

Note 2: In case KIAL call more than one AMC tender for the maintenance related work for the same period an agency will be awarded only one AMC work and the same agency shall not be eligible for both AMC works even though the agency is lowest in another tender also. In the event the same agency becomes lowest in more than one AMC tender the agency can choose which one they like to consider from award, provided the agency is eligible as per NIT terms.

The Bidder should have an annulated average financial turnover of Rs 45.00 lakhs against work executed during last three years ending 31st March of previous financial year. As a proof, copy of abridged balance sheet along with profit and loss account statement of the firm should be submitted along with the application. Firm showing continuous loss during the last three years in the balance sheet shall be summarily rejected. CA certificate must be produced in support of financial turn over.

The Bidder should have a GST Registration Certificate and also produce a copy of PAN Card etc.

Tender document can be downloaded and submitted online through e-Procurement portal www.etenders.kerala.gov.in as per the guidelines, terms and conditions etc. stated in the tender document.

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SECTION-II

“GUIDELINES TO THE BIDDERS”

TENDERING PROCESS:

This sealed tender document consists of the following 3 Covers superscribed as **Airside maintenance works for civil, electrical, Landscaping, IT & other miscellaneous works at Kannur International Airport for 2023 to 2025** ” shall be submitted to the Office of the Managing Director (Engg), Kannur International Airport Limited, Kannur International Airport (P O) , Pin - 670 708. The envelope number shall be written on each envelope.

Cover-1: Fee Paid Details: Compliance statement (**Annexure - 22**) duly filled confirming the submission of the Tender Fee and Earnest Money Deposit (EMD) and Acceptance Letter (**Annexure-1**)

Cover-2: Pre & Technical Bid: The Tenderer shall submit the Pre and Technical Bid-Qualification documents Compliance statement (**Annexure 23**) duly filled in, along with the scanned copies of the documents.

Cover-3: Financial Bid: The Tenderer shall submit the financial bid as per **Annexure - 28**

Cost of document and EMD shall be submitted as a demand draft for Rs 5,900/- and Rs 50,000/- respectively drawn from a nationalized or scheduled bank but not from Co-operative or Gramin bank in favour of “Kannur International Airport Limited” payable at Mattannur. If the successful bidder failed to start the work or withdraw their offer, the EMD shall be forfeited

Bidders have to submit their documents pertaining to the Pre-Qualification Criteria / Technical Criteria and Financial Quote manually.

Submission of a Tender by a Tenderer implies that he has read this notice and all other contract documents and has made himself aware of the eligibility criteria, scope and specifications of the works to be done, local conditions, local material rates and other factors bearing on the execution of the works.

Notification of Award of contract will be made in writing to the successful Tenderer by the Accepting Authority or his representative. The contract will normally be awarded to the qualified and responsive Tenderer offering lowest evaluated bid in conformity with the requirements of the specifications and contract documents and the Accepting Authority shall be the sole judge in this regard. The Accepting Authority does not bind himself to accept the lowest or, any tender or to give any reason for his decision.

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A responsive tenderer is one who submits priced tender and accepts all terms and conditions of the specifications and contract documents.

Pre & Technical Bid Qualification documents: The Pre-Bid & Technical Bid Qualification documents of the bidders who have submitted the Tender Fee and Earnest Money Deposit and also submitted unconditional acceptance letter in fee cover as per the tender conditions will only be opened and evaluated.

Pre Bid Meeting: The bidders may be called for a Pre-Bid meeting if required, prior to the bid opening.

Financial Bid: Only the Financial Bid of the Bidders who have qualified in the Technical Bid as per the tender conditions and accepted by KIAL will be opened on a later date, with prior notification.

Publishing of Corrigendum: All corrigendum shall be published on www.kannurairport.aero and shall not be available elsewhere.

GUIDELINES TO BIDDERS:

Tender documents can be downloaded from the Web site www.kannurairport.aero.

The bids shall be submitted manually in three covers to the office of Kannur International Airport Limited.

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TENDER DOCUMENT FEES AND EARNEST MONEY DEPOSIT (EMD)

The bidder shall pay, a tender document fees of Rs. 5900/-(inclusive of GST) and Earnest Money Deposit of Bid security of Rs. 50,000/-. The Bid security/EMD is required to protect the authority against risk of Bidder's conduct, which would warrant the forfeiture of security.

Sl No	EVENT	DATE and TIME	
1	Document Download	Start Date: 18.09.2023 16:30Hrs.	End Date: 09.10.2023 14:00Hrs.
2	Clarification	Start Date: 18.09.2023 18:00Hrs.	End Date: 26.09.2023 18:00Hrs.
3	Bid Submission	Start Date: 19.09.2023 16:30Hrs.	End Date: 09.10.2023 16:00Hrs.
4	Technical Bid Opening date and time	09.10.2023 at 16.30 Hrs.	
5	Financial Bid Opening Date	Will be notified after the Technical Bid opening process	

CRITICAL DATES AND TIME:

The last date of submitting tender is 09.10.2023 at 16.30 Hrs.

CLARIFICATION ON TENDERS:

All enquiries/clarifications in connection with this tender should be addressed to the Managing Director, mail ID is md@kannurairport.aero.

To assist in the examination, evaluation and comparison of Tenders, the Purchaser may, at its discretion, ask the Tenderer for a clarification.

The authority, at its discretion, extend the deadline for the submission of Tender by amending the Tender Documents in accordance with Clause 4 of this, in which case all rights and obligations of the Purchaser and Tenderers previously subject to the deadline will thereafter be subject to the deadline as extended.

LATE TENDERS:

Any tender submitted by the Purchaser after the deadline for submission of Tenders will not be accepted.

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MODIFICATION AND WITHDRAWAL OF TENDERS:

No Tender shall be modified subsequent to the deadline for submission of Tenders.

No Tender shall be withdrawn in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified.

If the tenderer modifies the tender condition at any stage even after submitting the unconditional acceptance letter then the bid submitted by the tenderer is liable to be rejected and the EMD shall be forfeited.

MANAGING DIRECTOR

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GENERAL CONDITIONS OF CONTRACT

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Tender Form D.E. 8

**KANNUR INTERNATIONAL AIRPORT LIMITED
PERCENTAGE TENDER & CONTRACT FOR WORK**

Airport: Kannur Airport

Division: _____

Branch: Engg._____

Sub division: _____

Tender for the work: “Airside Maintenance works for civil, electrical, Landscaping, IT & other miscellaneous works at Kannur International Airport for 2023 to 2025”

CRITICAL DATES

Last Date & Time of sale of Tender Documents	: 09.10.2023	upto 14 00hrs
Last Date & Time of Submission of Bids	: 09.10.2023	upto 16 00hrs
Bids Opening Date & Time	: 09.10.2023	at 16 30hrs

The above activities shall be carried out in the office of Managing Director, Kannur International Airport Limited, Mattannur, Kannur – 670 708, Kerala. Tel: 91 – 490- 2481000, 91 -471-2508668, 2508669, email: md@kannurairport.aero

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TENDER

I/We have read and examined the notice inviting tender, instructions to bidders schedule - A, B, C, D, E & F, Specifications applicable, General Rules and Directions, Conditions of Contract, Clauses of contract, Special conditions, Schedule of Rates & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Kannur International Airport within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the Rules and Directions and in Clause II of the Clause of contract and with such material as are provided for, by and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for Ninety (90) days from the date of opening of financial bid and not to make any modifications in its terms and conditions.

A sum of Rs 50,000/- (Rupees Fifty Thousand only) is here by forwarded through online payment as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said KIAL or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that KIAL. or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 in Clauses of Contract of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

"I/We undertake and confirm that eligible similar work(s) has / have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of KIAL, then I/We shall be debarred for tendering in KIAL in future forever. Also, if such a violation comes to the notice of KIAL before date of start of work, the Engineer-in-Charge shall be

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free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.”

I/We hereby declare that I/we shall treat the tender documents and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Date..... Signatures of Contractor

Witness:

Postal Address

Address:

Occupation:

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ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Kannur International Airport Ltd for sum of

Rs. _____

(Rupees _____)

The letters referred to below shall form part of this contract Agreement:-

(i)

(ii)

(iii)

Airport Ltd

For & on behalf of Kannur International

Signature_____

Designation_____

Dated _____

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GENERAL RULES AND DIRECTIONS

1.General Rules & Directions	<p>All work proposed for execution by contract were notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in Newspapers.</p> <p>This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the application, and the amount of the security deposit and Performance guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.</p>
2.	<p>In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.</p>
2. (A)	<p>In case of tender submitted by a Joint Venture Consortium, a copy of joint venture /consortium agreement is to be submitted along with the tender. The agreement should define the role of each partner in the work. The document submitted by other partners or firm shall not be entertained.</p>
3.	<p>Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.</p>
4.Applicable for item rate tender only (D.E-8)	<p>Any person submitting a tender shall fill up the Authority issued printed form, stating at what rate he is willing to execute each item of work. Tenderers who propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected.</p>
4.(A)Applicable for Percentage Rate Tender only (DE-7)	<p>In case of Percentage Rate Tenders, tenderer shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule-A, he will be willing to execute the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or In the time allowed for carrying out the work, or which contain any other conditions of any sort including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each.</p>

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4. (B)	The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by Ignoring fifty paise and considering more than fifty paise as rupee one.
5.	The officer inviting tender or his duly authorized representative, will open tenders in the presence of a duly authorized representative of the contractor who may be present at the time. The amounts of the several tenders shall be entered in a statement. In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor remitting the same, without any interest.
6.	The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7.	The receipt of an accountant or clerk for any money paid by the contractor towards tender fee will not be considered as any acknowledgement or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorised Cashier.
8.	The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue rates, shall be filled and completed in the office of the officer inviting tender before the tender is submitted to an intending tenderer with a copy of the same. The contractor shall have to submit the officer to have this done before he completes and delivers his tender.
9.	The tenderers shall sign a declaration under the official Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them. Use of correcting fluid, any where in tender document is not permitted. Such tender is liable for rejection. Correction if any, shall be initiated.
9. (A)	Tenderer is required to place cellophane tape in the quoted rates wherein correction/insertion is made. The total amount before submission of tender document.
10. Applicable for Item Rate Tender only (D.E. - 8)	In the case of Item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below / above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy between the rates written in figures and words. However, (i) if a discrepancy is found between the rates in figures and words, the rates which correspond with the rates in words shall be taken as correct. (ii) If the rates in figures and words do not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. (iii) Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. (iv) In event no rate has been quoted for any item(s) leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this / these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.

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13. (iv)	Security deposit will also be accepted in form of Guarantee Bonds of Nationalised Bank only in accordance with the prescribed form, provided confirmatory advice is enclosed.										
14.	On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.										
15.	All taxes shall be paid by the contractor .GST will not be paid extra.										
16.	The contractor shall give a list of KIAL employees related to him.										
17.	The tender for the work shall not be witnessed by a contractor or contractors who himself / themselves has / have tendered or who may and has / have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.										
18.	The tender for composite work includes, in addition to building work, all other works as in NIT such as sanitary and water supply installations, drainage installation, electrical work, horticulture work, Mechanical works, roads and paths etc. The tenderer apart from being a registered contractor (B&R) of appropriate class, must associate himself with agencies of appropriate class which are eligible to tender for sanitary and water supply, drainage, electrical , mechanical and horticulture works in the composite tender.										
19.	<div>The contractor shall submit list of works which are in hand (progress) in the following form :-<table><tr><th>Name of work</th><th>Name and particulars of Divn where work being executed</th><th>Value of work</th><th>Position of works in progress</th><th>Remarks</th></tr><tr><td>1</td><td></td><td></td><td></td><td></td></tr></table></div>	Name of work	Name and particulars of Divn where work being executed	Value of work	Position of works in progress	Remarks	1				
Name of work	Name and particulars of Divn where work being executed	Value of work	Position of works in progress	Remarks							
1											
20.	The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Managing Director, KIAL may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.										

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CONDITIONS OF CONTRACT

	Definitions
1.	The contract means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of the Managing Director, Kannur International Airport Ltd and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
2.	In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them :-
(i)	The expression works or work shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional
(ii)	The site shall mean the land / or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
(iii)	The Contractor shall mean the individual, firm or company whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
(iv)	The Authority or KIAL means the Board of Directors of Kannur International Airport Ltd.
(v)	The Engineer-in-Charge means the Engineer Officer who shall supervise and be in-charge of the work and as appointed by the Managing Director, Kannur International Airport Ltd.
(vi)	KIAL shall mean the Kannur International Airport Ltd.
(vii)	Accepting Authority shall mean the authority mentioned in Schedule 'F'.
(viii)	Excepted Risk are risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Kannur International Airport Ltd, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, and other causes like pandemic over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by Kannur International Airport Ltd of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to Kannur International Airport Ltd's faulty design of works.
(ix)	Market Rate shall be the rate as decided by the Engineer-in-Charge on the basis of the prevailing cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in Schedule 'F' to cover, all overheads and profits.

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(x)	Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued upto the date of receipt of the tender.
(xi)	Client/Department means Kannur International Airport Ltd, which invites tender on behalf of Managing Director,Kannur International Airport Ltd.
(xii)	Tendered value means the value of the entire work as stipulated in the letter of award.
(xiii)	Date of commencement of work: The date of commencement of work shall be the date of start as specified in Schedule 'F' or the first date of handing over of the site, whichever is later, in accordance with the phasing if any, as indicated in the tender document.
3.Scope and Performance	Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
4.	Headings and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
5.	The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.
6. Works to be carried out	The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labor, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labors necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.
7.Sufficiency Tender	The Contractor shall be deemed to have satisfied himself before tendering as to the of correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
8. Discrepancies and Adjustment of Errors	The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions
8.1	In the case of discrepancy between the Schedule of Quantities, the Specifications and / or the Drawings, the following order of preference shall be observed :-

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(i)	Description of Schedule of Quantities.
(ii)	Particular Specification and Special Condition, if any.
(iii)	Drawings.
(iv)	C P W D Specifications.
(v)	Indian Standard Specifications of B I S./ IRC Code of Practice / ASTM standards.
(vi)	Sound Engineering practice as directed by the Engineer-in-charge, whose decision in this regard shall be final and binding on the contractor.
8.2	If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
8.3	Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.
9. Signing of Contract	The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of :
(i)	The notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
(ii)	Standard KIAL Form as mentioned in Schedule 'F' consisting of :
(a)	Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
(b)	KIAL Safety Code.
(c)	Model Rules for the protection of health, sanitary arrangements for workers employed by KIAL or its contractors.
(d)	KIAL Contractor's Labor Regulations.
(e)	List of Acts and omissions for which fines can be imposed.
(iii)	No payment for the work done will be made unless contract in form of agreement is signed by the contractor.
10. Role of Engineer -in- Charge	The Engineer-in-charge's duties and responsibilities shall in principle comprise of the following:
1.	Payment of contractor's bills
2.	Granting extension of time to the contractor
3.	Ordering suspension/termination of work
4.	Instructing additional work and/or variations in items
5.	To inspect contractor's accounts and records relating to the contract
6.	To appoint any person on behalf to inspect any part of the contract/document
7.	Any other responsibilities arising out of the contract

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CLAUSES OF CONTRACT

	CLAUSE I
Performance Guarantee	This clause is applicable for the work for which the estimated cost put to tender is more than Rs.1 Cr
(i)	The contractor shall submit an irrevocable Performance Guarantee of 5% (Five percent) of the Tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. This guarantee shall be in the form of Guarantee Bonds of Nationalised Bank only in accordance with the form annexed here to on page 114
(ii)	Performance guarantee should be furnished within 30 days of issue of work order. In case the contractor fails to deposit performance guarantee within the stipulated period, no payment for the work done in respect of Ist Running Account Bill will be released to the contractor. Moreover, interest @10% per annum on performance guarantee amount would be levied (non-refundable) for delayed period of submission. But delay of 60 days with interest @10% shall be allowed and beyond such delay shall cause termination of contract.
(iii)	The Performance Guarantee shall be initially valid upto the stipulated date of completion plus 180 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
(iv)	The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the KIAL is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
(a)	Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
(b)	Failure by the contractor to pay KIAL any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
(v)	In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the KIAL.
	CLAUSE I A
Recovery of Security	The person/persons whose tender(s) may be accepted (hereinafter called the

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Deposit	<p>contractor) shall permit KIAL at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% of the gross amount of each running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. Earnest money shall be adjusted first in the security deposit and further recovery of security deposit shall commence only when the update amount of security deposit starts exceeding the earnest money. Such deductions will be made and held by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in the form of fixed deposit receipts or guarantee bonds of Nationalized Bank only.</p> <p>All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising therefrom, or from any sums which may be due to or may become due to the contractor by KIAL on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in Guarantee Bonds tendered by the Nationalized bank (if deposited for more than 12 months) endorsed in favor of the Kannur International Airport Ltd, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above and the Earnest money deposited at the time of tenders will be treated as part of the Security Deposit.</p> <p>The security deposit as deducted above can be released against bank guarantee issued by Nationalised Bank on its accumulations to a minimum of Rs. 5 lakh subject to the condition that amount of such bank guarantee, except last one, shall not be less than Rs. 5 lakh (SD Collected for the first year may be released after the .</p>
	Note 1:
	Provided further that the validity of Bank Guarantee including the one given against the earnest money shall be in conformity with provisions contained in the clause 17 which shall be extended from time to time depending upon extension of contract under provision of Clause 2 & Clause 5.
	Note 2:
	Note 1 above shall be applicable for both clause 1 and 1 A.
	Clause 2
Compensation for Delay	<p>If the contractor fails to maintain the required progress in terms of clause 5 or to complete the Work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the KIAL on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the authority specified in schedule 'F' (whose decision in writing shall be final and binding) may decide on the amount of tendered value indicated value of each work identified in this contract of the work for every completed day/month (as applicable) that the progress remains</p>

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	below that specified in Clause 5 or that the work remains incomplete. (In this contract the specified work will be identified time to time in writing) This will also apply to items or group of items for which a separate period of completion has been specified.	
	(i) Compensation for delay of work	For repair /breakdown works if delay happens Rs 200 /Hr shall be levied. But total penalty shall be restricted to 10% of total monthly bill pertains to maintenance works.
	For all other works 0.5% (half percent) of contract value' Per week of delay.	
	<p>Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Contract Value of work or of the Contract Value of the item or group of items of work for which a separate period of completion is originally given.</p> <p>The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with KIAL. In case, the contractor does not achieve a particular milestone mentioned in schedule F, or the re-scheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of Extension of Time With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.</p>	
	Clause 2A	
Incentive for early completion	<p>In case, the contractor completes the work ahead of scheduled completion time, a bonus @ (point five per cent) of contract amount per month computed per month shall be paid up to a maximum limit of 2.5% (two and a half per cent) of the contract amount of bonus, if paid, shall be paid along with completion of work. Provided always that provision of the Clause 2A shall be applicable only when so provided in 'Schedule F'.</p>	
	Clause 2 B	
	Release of withheld amount towards compensation for delay over and above Rs. 50.00 lakhs, can be made against Bank Guarantee (as per Annex-II) pending finalization of extension of time/grant of final extension of time by Competent Authority as per contract.	

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	Clause 3
When Contract can be Determined	Subject to other provisions contained in this clause, the Engineer-in-Charge may, without prejudice to his any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:
(i)	If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkmanlike manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
(ii)	If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.
(iii)	If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.
(iv)	If the contractor persistently neglects to carry out his obligations under the contract and / or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
(v)	If the contractor shall offer or give or agree to give to any person in KIAL service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for KIAL.
(vi)	If the contractor shall enter into a contract with Kannur International Airport Ltd in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Engineer-in-charge.
(vii)	If the contractor shall obtain a contract with KIAL as a result of wrong tendering or other non-bonafide methods of competitive tendering.
(viii)	If the contractor being an individual, or if a firm, any partner thereof shall at

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	any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.
(ix)	If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
(x)	If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
(xi)	<p>If the contractor assigns, transfers, sublets (engagement of labor on a piece-work basis or of labor with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Engineer-in-Charge.</p> <p>When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the KIAL shall have powers.</p>
(a)	To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence). Upon such determination, the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the KIAL.
(b)	<p>After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.</p> <p>In the event of above courses being adopted by the Engineer-in-Charge, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum</p>

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	for any work thereof or actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified
	CLAUSE 3 A
	In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work, either party may close the contract. In such eventuality, the Earnest Money Deposit and the Performance Guarantee of the contractor shall be refunded, but no payment on account of interest, loss of profit or damages etc. shall be payable at all.
	CLAUSE 4
Contractor liable to pay compensation even if action not take under Clause -3	In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work/ or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.
	CLAUSE 5
Time and Extension for Delay	The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as

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	aforesaid, KIAL shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money & performance guarantee absolutely.
5.1	After the Contract is concluded, , the Contractor shall submit a Time and Progress Chart for each work assigned time to time and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in each work assignment for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per mile stones given in Schedule 'F'. Each such work assignment from time to time shall be treated individually for time is concerned.
5.2	<p>If the work(s) be delayed by:-</p> <p>force majeure, or</p> <p>abnormally bad weather, or</p> <p>serious loss or damage by fire, or</p> <p>civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or</p> <p>delay on the part of other contractors or tradesmen engaged by Authority in executing work not forming part of the Contract, or</p> <p>non-availability of stores, which are the responsibility of KIAL to supply or</p> <p>non-availability or break down of tools and Plant to be supplied or supplied by KIAL or</p> <p>any other cause which, in the absolute discretion of the Engineer-in-Charge is beyond the Contractor's control</p> <p>Then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-charge to proceed with the works.</p>
5.3	Request for rescheduling of Mile stones and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed form. The contractor may also, if practicable, indicate in such a request the period for which extension is desired.
5.4	In any such case the Engineer-in-Charge may give a fair and reasonable extension of time and reschedule the Milestones for completion of work. Such extension shall be communicated to the Contractor by the Engineer-in-charge in writing, within 30 days of the date of receipt of such request. Non-application by the contractor for

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	extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-charge and this shall be binding on the contractor.
	CLAUSE 6
Measurements of Work Done	<p>Engineer-in-charge shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done.</p> <p>All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract.</p> <p>All measurements and levels shall be taken jointly by the Engineer-in-Charge or his authorised representative and by the contractor or his authorised representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.</p> <p>If for any reason the contractor or his authorized representative is not available and the work of recording measurements is suspended by the Engineer-in-Charge or his representative, the Engineer-in-Charge and the Department shall not entertain any claim from contractor for any loss or damages on this account. If the contractor or his authorised representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by the Engineer-in-Charge or his representative shall be deemed to be accepted by the Contractor. The contractor shall, without extra charge, provide all assistance with every appliance, labor and other things necessary for measurements and recording levels.</p> <p>Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available, then a mutually agreed method shall be followed.</p> <p>The contractor shall give, not less than seven days' notice to the Engineer-in-Charge or his authorised representative incharge of the work, before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be</p>

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	<p>measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his authorised representative incharge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing, the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.</p> <p>Engineer-in-Charge or his authorised representative may cause either themselves or through another officer of the department to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.</p> <p>It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.</p>
	Clause 6 A
	Engineer-in-Charge shall, except as otherwise provided, ascertain and determine by measurement the value of work done in accordance with the contract.
Computerised Measurement Book	<p>All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works performed under the contract.</p> <p>All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from the Engineer-in-Charge or his authorized representative as per interval or program fixed in consultation with Engineer-in-Charge or his authorized representative. After the necessary corrections made by the Engineer-in-Charge, the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to the Engineer-in-Charge for the dated signatures by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance. Whenever bill is due for payment, the contractor would initially submit draft computerized measurement sheets and these measurements would be got checked/test checked from the Engineer-in-Charge and/or his authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks/test checks in his draft computerized measurements, and submit to the department a computerized</p>

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	<p>measurement book, duly bound, and with its pages machine numbered. The Engineer-in-Charge and/or his authorized representative would thereafter check this MB, and record the necessary certificates for their checks/test checks.</p> <p>The final, fair, computerized measurement book given by the contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the contractor shall have to submit a fresh computerized MB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the department. Thereafter, the MB shall be taken in the Divisional Office records, and allotted a number as per the Register of Computerized MBs. This should be done before the corresponding bill is submitted to the Division Office for payment. The contractor shall submit two spare copies of such computerized MB's for the purpose of reference and record by the various officers of the department. The contractor shall also submit to the department separately his computerized Abstract of Cost and the bill based on these measurements, duly bound, and its pages machine numbered alongwith two spare copies of the "bill. Thereafter, this bill will be processed by the Division Office and allotted a number as per the computerized record in the same way as done for the measurement book meant for measurements.</p> <p>The contractor shall, without extra charge, provide all assistance with every appliance, labor and other things necessary for checking of measurements / levels by the Engineer-in-charge or his representative.</p> <p>Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general of local custom. In the case of item which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.</p> <p>The contractor shall give not less than seven days' notice to the Engineer-in-Charge or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of checking and / or test checking the measurement of any work in order that the same be checked and / or test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and / or test checking measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-charge or his authorized representative in charge of the work who</p>
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	<p>shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of checking and / or test checking measurements without such notice having been given or the Engineer-in-charge's consent being obtained in writing the same shall be uncovered at the contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.</p> <p>Engineer-in-charge or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded by contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.</p> <p>It is also a term of this contract that checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.</p>
	CLAUSE 7 (i)
Payment on Intermediate Certificate to be Regarded as Advances	<p>No payment shall be made for work, estimated to cost Rs. Twenty thousand or less till after the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over Rs. Twenty thousand, the interim or running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Department in triplicate on or before the date of every month fixed for the same by the Engineer-in-Charge. The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. Engineer-in-Charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the contractor to submit the bills, Engineer-in-Charge shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of amount admissible shall be made by the Engineer-in-Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-Charge. The amount admissible shall be paid by 10th working day after the day of presentation of the bill by the Contractor to the Engineer-in-Charge or his Asstt. Manager / Manager (Engg.) together with the account of the material issued by the department, or dismantled materials, if any. In the case of works outside the</p>

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	<p>headquarters of the Engineer- in-Charge, the period of ten working days will be extended to fifteen working days.</p> <p>All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Engineer-in-charge relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine of affect in any way powers of the Engineer-in-charge under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.</p> <p>Pending consideration or extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of the department to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.</p> <p>The Engineer-in-Charge in his sole discretion on the basis of a certificate from the Asstt Manager / Manager (Engg) to the effect that the work has been completed up to the level in question make interim advance payments without detailed measurements for work done (other than foundations, items to be covered under finishing items) up to lintel level (including sunshade etc.) and slab level, for each floor working out at 75% of the assessed value. The advance payments so allowed shall be adjusted in the subsequent interim bill by taking detailed measurements thereof. In the interim bill, the full value of subwork assigned time to time only shall be considered means no part payment shall be released for any subwork.</p>
	CLAUSE 7 (ii)
	Refer addendum in page 140
<p>Payments Composite Contracts</p> <p>Completion Certificate and Completion Plans</p>	<p>CLAUSE 8</p> <p>Within ten days of the completion of each sub work, the contractor shall give notice of such completion to the Engineer-in-Charge and within 15 days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect in the work, shall furnish the contractor with a certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued for each sub work. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed</p>

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	from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of the execution; thereof, and not until the work shall have been measured by the Engineer-in-charge. If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangement as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Engineer-in-charge may at the expense of the contractor remove such scaffolding, surplus materials and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realised by the sale thereof. The DLP for each subwork shall be 12 months from the date of certificate of completion. However for maintenance works DLP shall be 3 months from the date of attending the complaints.
	CLAUSE 8 A
Contractor to keep site clean	When the annual repairs and maintenance of works are carried out, the splashes and droppings from white washing, colour washing, painting etc., on walls, floor, windows etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in the contract. In case the contractor fails to comply with the requirements of this clause, the Engineer-in-charge shall have the right to get this work done at the cost of the contractor either departmentally or through any other agency. Before taking such action, the Engineer-in-charge shall give ten days notice in writing to the contractor.
	CLAUSE 8 B
Completion Plans to be Submitted by the Contractor	The contractor shall submit completion plan, As built drawing, O&M manuals, catalogues, test certificate and other datas as required by EIC as required vide General Specifications for Civil & Electrical works as applicable within thirty days of the completion of the work. In case contractor fails to submit the above said documents a penalty of Rs. 25,000/- shall be imposed.
	CLAUSE 9
Payment of final bill	The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-charge whichever is earlier. No further claims shall be made by the contractor after

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	<p>submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-charge, will, as far as possible be made within the period specified herein under, the period being reckoned from the date of receipt of the bill by the Engineer-in-charge or his authorised Asstt. Manager / Manager (Engg.), complete with account of materials issued by the Department and dismantled materials.</p> <p>If the tendered value of work is upto Rs.5 lakhs : 3 months</p> <p>If the tendered value of work exceeds Rs.5 lakhs : 6 months</p>
	CLAUSE 9 A
Payment of Contractor's Bills to Banks	<p>Payments due to the contractor and refund of various nature may be made through electronic payment mechanism instead of direct to him, provided that the contractor furnishes to the Engineer-in-Charge.</p> <p>Informations as per proforma attached in Annexure- 16 of GCC.</p> <p>An authorisation in the form of a legally valid document such as power of attorney conferring authority on the bank to receive payments and</p> <p>His own acceptance of the correctness of the amount made out as being due to him by Authority or his signature on the bill or other claim preferred against Authority before settlement by the Engineer-in-charge of the account or claim by payment to the bank. While the receipt given by such banks shall constitute a full and sufficient discharge for the payment, the contractor shall whenever possible present his bills duly receipted and discharged through his bank.</p> <p>Nothing herein contained shall operate to create in favour of the bank any rights or equities vis-à-vis the Kannur International Airport Ltd.</p>
	CLAUSE 10
Materials supplied by Authority	<p>Materials which Authority will supply are shown in Schedule 'B' which also stipulates quantum, place of issue and rate(s) to be charged in respect thereof. The contractor shall be bound to procure them from the Engineer-in-charge.</p> <p>As soon as the work is awarded, the contractor shall finalise the programme for the completion of work as per clause 5 of this contract and shall give his estimates of materials required on the basis of drawings/ or schedule of quantities of the work. The contractor shall give in writing his requirement to the Engineer-in-charge, which shall be issued to him keeping in view the progress of work as assessed by the Engineer-in-Charge in accordance with the agreed phased programme of work indicating monthly requirements of various materials. The contractor shall place his indent in writing for issue of such materials at least 7 days in advance of his requirement.</p> <p>Such materials shall be supplied for the purpose of the contract only and the value of the materials so supplied at the rates specified in the aforesaid schedule shall be set</p>

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	<p>off or deducted, as and when materials are consumed in items of work (including normal wastage) for which payment is being made to the contractor, form any sum then due or which may therefore become due to the contractor under the contract or otherwise or from the security deposit. At the time of submission of bills, the contractor shall certify that balance of materials supplied is available at site in original good condition.</p> <p>The contractor shall submit along with every running bill (on account or interim bill) material-wise reconciliation statements supported by complete calculations reconciling total issue, total consumption and certified balance (diameter/ section-wise in the case of steel) and resulting variations and reasons therefore. Engineer-in-charge shall (whose decision shall be final and binding on the contractor) be within his rights to follow the procedure of recovery in clause 42 at any stage of the work if reconciliation is not found to be satisfactory.</p> <p>The contractor shall bear the cost of getting the material issued, loading, transporting to site, unloading, storing under cover as required, cutting, assembling and joining the several parts together as necessary. Notwithstanding anything to the contrary contained in any other clause of the contract and all stores / materials so supplied to the contractor or procured with the assistance of the KIAL shall remain the absolute property of Authority and the contractor shall be the trustee of the stores/ materials, and the said stores/ materials shall not be removed/ disposed of from the site of the work on any account and shall be at all times open to inspection by the Engineer-in-charge or his authorised agent. Any such stores/ materials remaining unused shall be returned to the Engineer-in-charge in as good a condition in which they were originally supplied at a place directed by him, at a place of issue or any other place specified by him as he shall require, but in case it is decided not to take back the stores/ materials the contractor shall have no claim for compensation on any account of such stores/ materials so supplied to him as aforesaid and not used by him or for any wastage in or damage to in such stores/ materials.</p> <p>On being required to return the stores/ materials, the contractor shall hand over the stores/ materials on being paid or credited such price as the Engineer-in-charge shall determine, having due regard to the condition of the stores/ materials. The price allowed for credit to the contractor, however, shall be at the prevailing market rate not exceeding the amount charged to him, excluding the storage charge, if any. The decision to the Engineer-in-charge shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to account for contravention of the terms of the licences or permit and/ or for criminal breach of trust, be liable to Authority for all advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach. Provided that the contractor shall in no case be entitled to any compensation or damages on account of any delay in supply or non-supply thereof all or any such materials and</p>
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	<p>stores provided further that the contractor shall be bound to execute the entire work if the materials are supplied by the Authority within the original scheduled time for completion of the work plus 50% thereof or schedule time plus 6 months whichever is more if the time of completion of work exceeds 12 months, but if a part of the materials only has been supplied within the aforesaid period, then the contractor shall be bound to do so much of the work as may be possible with the materials and stores supplied in the aforesaid period. For the completion of the rest of the work, the contractor shall be entitled to such extension of time as may be determined by the Engineer-in-charge whose decision in this regard shall be final and binding on the contractor.</p> <p>The contractor shall see that only the required quantities of materials are got issued. Any such material remaining unused and in perfectly good/ original condition at the time of completion or determination of the contract shall be returned to the Engineer-in-charge at the stores from which it was issued or at a place directed by him by a notice in writing. The contractor shall not be entitled for loading transporting, unloading and stacking of such unused material except for the extra lead, if any involved, beyond the original place of issue.</p>
	CLAUSE 10 A
Materials to be provided by the contractor and Mandatory Tests	<p>The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Authority.</p> <p>The contractor shall, at his own expense and without delay; supply to the Engineer-in-charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by the Engineer-in-charge furnish proof, to the satisfaction of the Engineer-in-charge that the materials so comply. The Engineer-in-charge shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-charge for his approval, fresh samples complying with the specifications laid down in the contract. When material are required to be tested in accordance with specifications, approval of the Engineer-in-charge shall be issued after the test results are received.</p> <p>The contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-charge. The contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of</p>

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	<p>testing of materials.</p> <p>The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-charge may require for collecting and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in-charge or his authorised representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access.</p> <p>The Engineer-in-charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, the Engineer-in-charge shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. The Engineer-in-charge shall also have full powers to require other proper materials to be substituted thereof and in case of default, the Engineer-in-charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.</p> <p>Details in respect of all mandatory test shall be maintained (as per the proforma on Annexure -10 C, and attached with each Running Account Bill.</p> <p>If any additional tests apart from mandatory tests specified in the Contract are required to be carried out at the instance of KIAL or Chief Technical Examiners Organisation, to ensure conformity of the item to the Contract specifications, the cost of such tests shall be borne by KIAL. In case the material/equipment fails in the above tests, the expenditure incurred by KIAL on testing of such material or equipment along with incidental charges borne by KIAL (if any) shall be recovered from the dues of the contractor and action shall be taken under Clause 16 and other relevant clauses of the contract.</p>
	CLAUSE 10 B
Secured Advance on Non-perishable materials	<p>(i). The Contractor, on signing an indenture in the form to be specified by the Engineer-in-charge, shall be entitled to be paid during the progress of the execution of the work upto 75% of the assessed value of any materials which are in the opinion of the Engineer-in-charge nonperishable, nonfragile and noncombustible and are in accordance with the contract and which have been brought on the site in connection</p>

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	<p>therewith and are adequately stored and/ or protected against damage by weather or other causes but which have not at time of advance been incorporated in the works when materials on account of which an advance has been made under this sub-clause are incorporated in the work, the amount of such advance shall be recovered/ deducted from the next payment made under any of the clause or clauses of this contract.</p> <p>Such secured advance shall also be payable on other items of perishable nature, fragile and combustible with the approval of the Engineer-in-charge provided the contractor provides a comprehensive insurance cover for the full cost of such materials. The decision of the Engineer-in-charge shall be final and binding on the contractor in this matter. No secured advance, shall however, be paid on high-risk materials such as ordinary glass, sand, petrol, diesel etc.</p>
Mobilisation Advance	<p>(ii). Mobilisation advance not exceeding 10% of the tendered value may be given, subjected to the availability of funds and if requested by the contractor in writing within one month of the order to commence the work. In such a case, the contractor shall execute a Bank Guarantee Bond from Nationalized Bank only as specified by Engineer-in-charge for 100% of the amount of mobilisation advance before such advance is released. The first installment of such advance shall be released by the Engineer-in-charge to the contractor on a request made by the contractor to the Engineer-in-charge in this behalf. The second and subsequent installments shall be released by the Engineer-in-charge only after the contractor furnishes a proof of the satisfactory utilisation of the earlier installment to the entire satisfaction of the Engineer-in-charge.</p> <p>Provided always that provision of Clause 10B (ii) shall be applicable only when so provided in Schedule 'F'.</p>
	CLAUSE 10 C
Payment on Account of Increase in Prices/ Wages due to Statutory Order(s)	<p>If after submission of the tender, the price of any material incorporated in the works (excluding the materials covered under Clause 10CA and not being a material supplied from the Engineer-in-charge's stores in accordance with Clause 10 thereof) and/ or wages of labor increases as a direct result of the coming into force of any fresh law or statutory rule or order (but not due to any changes in tax) beyond the prices / wages prevailing at the time of last stipulated date for receipt of the tenders including extensions, if any, for the work, during contract period including the justified period extended under the provisions of the Clause 5 of the Contract without any action under Clause 2, then the amount of the contract shall accordingly be varied and</p>

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	<p>provided further that any such increase shall be limited to the price / wages prevailing at the time of stipulated date of completion or as prevailing for the period under consideration, whichever is less.</p> <p>If after submission of the tender, the price of any material incorporated in the works (excluding the material covered under clause 10CA and not being a material supplied from the Engineer-in-charge's stores in accordance with clause 10 thereof) and / or wages of labor as prevailing at the time of last stipulated date of receipt of tender including extensions, if any, is decreased as a direct result of the coming into force of any fresh law or statutory rule or order (but not due to any changes TAX). Authority shall in respect of materials incorporated in the works (excluding the material covered under clause 10CA and not being materials supplied from the Engineer-in-charge's stores in accordance with Clause 10 hereof) and/ or labor engaged on the execution of the work after the date of coming into force of such law, statutory rule or order be entitled to deduct from the dues of the contractor, such amount as shall be equivalent to the difference between the prices of the materials and/ or wages as prevailed at the time of the last stipulated date for receipt of tenders including extensions if any for the work and the prices of materials and/ or wages of labor on the coming into force of such law, statutory rule or order. This will be applicable for the contract period including the justified period extended under the provisions of clause 5 of the contract without any action under clause 2.</p> <p>Engineer-in-charge may call books of account and other relevant documents from the contractor to satisfy himself about reasonability of increase in prices of materials and wages. The contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such materials and/ or wages of labor, give notice thereof to the Engineer-in-charge stating that the same is given pursuant to this condition together with all information relating thereto which he may be in position to supply. For this purpose, the labor component of the work executed during period under consideration shall; be the percentage as specified in Schedule F, of the value of work done during that period and the increase / decrease in labor shall be considered on the minimum daily wages in rupees of any unskilled adult male mazdoor, fixed under any law, statutory rule or order.</p>
	CLAUSE 10 CA
Payment due to variation in prices of materials after receipt of tender	<p>If after submission of the tender, the price of materials specified in Schedule-F increases/ decreases beyond the price(s) prevailing at the time of the last stipulated date for receipt of tenders (including extensions, if any) for the work, then the amount of the contract shall accordingly be varied and provided further that any such variations shall be effected for stipulated period of contract including the justified period extended under the provisions of clause 5 of the contract without any action</p>

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	<p>under Clause 2.</p> <p>However for work done during the justified period extended as above, it will be limited to indices prevailing at the time of stipulated date of completion or as prevailing for the period under consideration, whichever is less.</p> <p>The increase/ decrease in prices of cement, steel reinforcement and structural steel shall be determined by the Price indices issued by the Director General (Works), CPWD, for Bitumen and other items provided in the Schedule 'F', this shall be determined by the All India Wholesale Price Indices of materials as published by Economic Advisor to Government of India, Ministry of Commerce and Industry. Base price for cement, steel reinforcement and structural steel as issued under authority of Director General (Works) CPWD applicable for Delhi including Noida, Gurgaon, Faridabad and Ghaziabad and for other places as issued under the authority of Zonal Chief Engineer, CPWD and base price of other materials issued by concerned Zonal Chief Engineer and base price of Bitumen shall be taken as basic price + excise issued at nearest delivery point of Govt. refinery, as indicated in Schedule 'F' as valid on the last stipulated date of receipt of tender, including extension if any and for the period under consideration. In case, price index of a particular material is not issued by Ministry of Commerce and Industry then the price index of nearest similar material as indicated in Schedule F shall be followed.</p> <p>The amount of the contract shall accordingly be varied for all such materials worked out as per the formula given below for individual material:</p> $V = P \times Q \times \frac{C_1 - C_0}{C_0}$ <p>C_0</p> <p>Where</p> <p>V = Variation in material cost i.e. increase or decrease in the amount in rupees to be paid or recovered</p> <p>P = Base price of material as issued under authority of DG(W), CPWD or concerned Zonal Chief Engineer CPWD and for Bitumen base price shall be taken as basic price + excise issued at nearest delivery point of Govt. refinery as indicated in Schedule F valid at the time of the last stipulated date of receipt of tender including extensions if any,</p> <p>Q = Quantity of material brought at site for bonafide use in the works since previous bills</p> <p>C_0 = Price index for cement, steel reinforcement bars and structural steel as issued by the DG (W), CPWD as valid on the last stipulated date of receipt of tenders including extensions, if any. For Bitumen and other items, if any provided in Schedule F, All India Wholesale Price Index for the material as published by the Economic</p>
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	<p>Advisor to Government of India, Ministry of Commerce and Industry as valid on the last stipulated date of tenders including extensions, if any,</p> <p>CI = Price index for cement, steel reinforcement bars and structural steel as issued under the authority of DG(W), CPWD for period under consideration. For Bitumen and other items if any, provided in Schedule 'F' All India Wholesale Price Index for the material for the period under consideration as published by Economic Advisor to Government of India, Ministry of Industry and Commerce for period under consideration.</p> <p>It will be the responsibility of the contractor to arrange transport and suitable storage facility to store the bulk bituman at their own cost and nothing extra shall be paid for the same. However, If contractors are required to use the drum bitumen, they shall be reimbursed the difference in rates of drum bitumen and bulk bitumen prevailing at the time minus the cost of empty on production of necessary voucher/documents</p> <p>Note: If actual price of material is less than base price P and $CI > CI_0$ then this clause shall not be applicable.</p> <p>PPC to be used for non RCC structural works like Plaster, Flooring, Masonary works,PCC etc Clause 10 CA (material escalation) of contract agreement shall not be applicable for the quantity of PPC used. It shall be ensured that the percentage of fly ash is printed on each bag of cement by the manufacture. In case it is not printed on each bag, it shall be ensured to obtain the certificate from the PPC manufacture indicating the percentage (%) of fly ash used in cement before allowing such cement in works. However, for RCC structural works, use of PPC shall be permitted subjected to other technical and design parameters only.</p> <p>Note: (i) In respect of justified period extended under the provisions of Clause 5 of the contract without any action under clause 2, the index prevailing at the time of stipulated date of completion or the prevailing index of the period under consideration, whichever is less, shall be considered.</p> <p>Provided always that provisions of the preceding Clause 10 C shall not be applicable in respect of materials covered in this Clause.</p> <p>(ii) If during progress of work or at the time of completion of work, it is noticed that any material brought at site is in excess of requirement, then amount of escalation if paid earlier on such excess quantity of material shall be recovered on the basis of cost indices as applied at time of payment of escalation or as prevailing at the time of effecting recovery, whichever is higher</p>
CLAUSE 10CC :	DELETED
CLAUSE 10D :	Refer addendum on clause 10D on page 141

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	CLAUSE II
Work to be Executed in Accordance with Specifications, Drawings, Orders etc.	The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect to the work signed by the Engineer in charge and the contractor shall be furnished free of charge one copy of the contract documents together with specifications, designs, drawings and instructions as are not included in the standard specifications of Central Public Works Department specified in Schedule F or in any Bureau of Indian Standard or any other published standard or code or Schedule of Rates or any other printed publication referred to elsewhere in the contract. The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labor and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The contractor shall take full responsibility for adequacy suitability and safety of all the works and methods of construction.
	CLAUSE I2
Deviations / Variations Extent And Pricing	The engineer-in-charge shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.
	<p>12.1 The time for completion of the works shall, in the even of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows:</p> <p>(i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus</p> <p>(ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the engineer-in-charge.</p>

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Deviation, Extra Items and Pricing	<p>12.2 In the case of extra item(s) (items that are completely new, and in addition to the items contained in the contract) the contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and the Engineer-in-charge shall within Six weeks of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.</p>
Deviation, Substituted Items Pricing	<p>In the case of substituted items, (items that are taken up with partial substitution or in lieu of items of work in the contract) the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.</p> <p>If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rate of substituted item and the agreement item (to be substituted).</p> <p>If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).</p>
Deviation, Deviated Quantities, Pricing	<p>In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, the Engineer-in-Charge shall within Six weeks of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.</p>
	<p>12.3 The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule F, and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.</p>
	<p>12.4 The contractor shall send to the Engineer-in-Charge once every three months, an</p>

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	upto date account giving complete details of all claims for additional payments to which the contractor may consider himself entitled and of all additional work ordered by the Engineer-in-Charge, which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right. However, the Executive Director Engineering may authorize consideration of such claims on merits.
	<p>12.5 For the purpose of operation of Schedule F, the following works shall be treated as works relating to foundation:</p> <p>For buildings: All works up to 1.2 meters above ground level or upto floor 1 level whichever is lower.</p> <p>For abutments, piers and well staining: All works upto 1.2 m above the bed level.</p> <p>For retaining walls, wing walls, compound walls, chimneys, over head reservoirs / tanks and other elevated structures: All works upto 1.2 meters above the ground level.</p> <p>For reservoirs/tanks (other than overhead reservoirs/tank): All works upto 1.2 meters above the ground level.</p> <p>For basement: All works upto 1.2m above ground level or upto floor 1 level whichever is lower.</p> <p>For Road, all items of excavation and filling including treatment of sub base.</p>
	<p>12.6 Any operation incidental to or necessarily has to be in contemplation of tenderer while filing, tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.</p>
	CLAUSE 13
Foreclosure of contract due to Abandonment or Reduction in Scope of Work	<p>If at any time after acceptance of the tender, KIAL shall decide to abandon or reduce the scope of the works for any reasons whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer-in-Charge shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.</p> <p>The contractor shall be paid at contract rates, full amount for works executed at site and in addition, a reasonable amount as certified by the Engineer-in-Charge for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure:</p> <p>Provided that the contractor shall be paid the cartage charges only of materials</p>

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	<p>actually and bonafide brought to the site of work by the contractor and rendered surplus and then taken back by the contractor, provided KIAL shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work). For materials taken over or to be taken over by KIAL, cost of such materials as detailed by Engineer-in-charge shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.</p> <p>If any materials supplied by KIAL are rendered surplus, the same except normal wastage shall be returned by the contractor to KIAL at rates not exceeding those at which these were originally issued, less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the contractor. In addition, cost of transporting such materials from site to KIAL stores, if so required by KIAL, shall be paid.</p> <p>The contractor shall, if required by the Engineer-in-Charge, furnish to him, books of account and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition.</p>
Carrying out part work at risk & cost of contractor	<p>CLAUSE 14</p> <p>Refer addendum on page 139</p>
Suspension of Work	<p>CLAUSE 15</p> <p>(i) The contractor shall, on receipt of the order in writing of the Engineer-in-Charge, (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:</p> <p>on account of any default on the part of the contractor or;</p> <p>for proper execution of the works or part thereof for reasons other than the default of the contractor; or</p> <p>for safety of the works or part thereof.</p> <p>The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.</p> <p>(ii) If the suspension is ordered or reasons (b) and (c) in sub-para (i) above:</p>

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	<p>the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25% for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;</p> <p>If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as the Engineer-in-Charge may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labor at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within fifteen days of the expiry of the period of 30 days.</p> <p>(iii) If the works or part thereof is suspended on the orders of the Engineer-in-Charge for more than three months at a time, except when suspension is ordered for reasons (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on the Engineer-in-Charge requiring permission within fifteen days from receipt by the Engineer-in-charge of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by KIAL or where it affects whole of the works, as an abandonment of the works by KIAL, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to the Engineer-in-Charge. In the event of the contractor treating the suspension as an abandonment of the contract by KIAL, he shall have no claim to payment of any compensations on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as the Engineer-in-Charge may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labor at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to the Engineer-in-Charge within 30 days of the expiry of the period of 3 months.</p> <p>Provided, further, that the contractor shall not be entitled to claim any compensation from KIAL for the loss suffered by him on account of delay by KIAL in the supply of materials in schedule 'B' where such delay is covered by difficulties relating to the supply of wagons, force majeure including non-allotment of such materials by controlling authorities, acts of God, acts of enemies of the state/country or any reasonable cause beyond the control of the KIAL.</p>
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	CLAUSE 16
Action in case Work not done as per Specifications	<p>All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of the Engineer-in-Charge, his authorize subordinates in charge of the work and all the superior officers, officer of the Quality Assurance Unit of the Department or any organization engaged by the Department of Quality Assurance and of the Chief technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.</p> <p>If it shall appear to the Engineer-in -charge or his authorized subordinates in charge of the work or to the Managing Director or his subordinate officers or the officers of the organization engaged by the Department for quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by him for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months (six months in the case of work costing Rs.10 lac and below except road work) of the completion of the work from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 2 of the contract (for non-completion of the work in time) for this default.</p> <p>In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in schedule 'F' may considered reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the</p>

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	safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.
	CLAUSE 17
Contractor Liable for Damages, defects during maintenance period	<p>If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months after a certificate final or otherwise of its completion shall have been given by the Engineer-in-charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of twelve months after the issue of the certificate final or otherwise, of completion of work. Any subwork assigned under this contract with specific time frame shall be treated as a work and its SD can be released after 12 months of its certified date of completion. Provided that in the case of road work, if in the opinion of the Engineer-in-charge half of the security deposit is sufficient, to meet all liabilities of the contractor under this contract, half of the security deposit will be refundable after six months and the remaining half after twelve months of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later.</p> <p>In case of Maintenance and Operation works of E&M services, the security deposit deducted from contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract whichever is earlier.</p>
	CLAUSE 18
Contractor to	The contractor shall provide at his own cost all materials (except such special

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Supply Tools & Plants etc.	materials, if any, as may in accordance with the contract be supplied from the Engineer-in-charge's stores) machinery, tools & plants as specified in Schedule F. in addition to this, appliances, implements, other plans, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-charge as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefor to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing, the same may be provided by the Engineer-in-charge at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and/ or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.
	CLAUSE 18 A
Recovery of Compensation paid to Workmen	In every case in which by virtue of the provisions sub-section(i) of Section 12, of the Workmen's Compensation Act, 1923, KIAL is obliged to pay compensation to a workman employed by the contractor, in execution of the works, KIAL will recover from the contractor, the amount of the compensation so paid, and, without prejudice to the rights of the KIAL under sub-section(2) of Section 12, of the said act, KIAL shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by KIAL to the contractor whether under this contract or otherwise. KIAL shall not be bound to contest any claim made against it under sub-section(1) of Section 12, of the said Act, except on the written request of the contractor and upon his giving to KIAL full security for all costs for which KIAL might become liable in consequence of contesting such claim.
	CLAUSE 18 B
Ensuring Payment and Amenities to Workers if Contractor fails	In every case in which by virtue of the provisions of the Contract Labor (Regulation and Abolition) act 1970, and the Contract Labor (Regulation and Abolition) Central Rules, 1971, KIAL is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19H or under the KIAL Contractor's Labor Regulations or under the Rules framed by KIAL from time to time for the protection of health and sanitary arrangements for workers employed by KIAL Contractors, KIAL will recover

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	from the contractor the amount of wages so paid or the amount of expenditure so incurred and without prejudice to the rights of the KIAL under sub section (2) of Section 20, sub section (4) of Section 21, of the Contract Labor (Regulation and Abolition) Act, 1970, KIAL shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by KIAL to the contractor whether under this contract or otherwise KIAL shall not be bound to contest any claim made against it under sub section (1) of Section 20, sub section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the KIAL full security for all costs for which KIAL might become liable in contesting such claim.
	CLAUSE 19
Labor laws to be complied by the Contractor	<p>The contractor shall obtain a valid license under the contract labor (R&A) Act, 1970 and the Contract Labor (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labor (Prohibition and Regulation) Act, 1986.</p> <p>The contractor shall also comply with the provisions of the building and other construction workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.</p> <p>Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non execution of the work.</p>
	CLAUSE 19 A
	No labor below the age of eighteen years shall be employed on the work.
	CLAUSE 19 B
Payment of wages	<p>Payment of wages:</p> <p>The contractor shall pay to labor employed by him either directly or through sub contractors, wages not less than fair wages as defined in the KIAL Contractor's Labor Regulation or as per the provisions of the Contract Labor (Regulation and Abolition) act, 1970 and the contract labor (Regulation and Abolition) Central Rules, 1971 wherever applicable.</p> <p>The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labor indirectly engaged on the work, including any labor engaged by his sub contractors in connection with the said work, as if the labor had been immediately employed by him.</p> <p>In respect of all labor directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Kannur International Airport Ltd contractor's Labor Regulations made by KIAL from time to time in regard to payment of wages wage period,</p>

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	<p>deductions from wages recovery of wages not paid and deductions unauthorisedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labor (Regulation and Abolition) Act, 1970 and the Contract Labor (Regulation and Abolition) Central Rules, 1971, wherever applicable.</p> <p>(a) The Engineer-in-charge concerned shall have the right to deduct from the moneys due to the contractor or any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non fulfillment of the conditions of the contract for the benefit of the workers, non payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non observance of the Regulations.</p> <p>(b) Under the provision of Minimum Wages (Central) Rule 1950 the contractor is bound to allow to the labors directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Engineer-in-charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to nay labors and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in-charge concerned.</p> <p>In the case of Union Territory of Delhi, however, as the all inclusive minimum daily wages fixed under Notification of the Delhi Administration No. F.12(162)MWO/DAB/43884-91, dated 31.12.1979 as amended from time to time are inclusive of wages for the weekly day of rest the question of extra payment for weekly holiday would not arise.</p> <p>The contractor shall comply with the provisions of the Payment of wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labor (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rule made thereunder from time to time.</p> <p>The contractor shall indemnify and keep indemnified Authority against payments to be made under and for the observance of the laws aforesaid and the KIAL Contractor's Labor Regulations with prejudice to his right to claim indemnity from his sub contractors.</p> <p>The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.</p> <p>Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct</p>
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	<p>or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.</p> <p>The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.</p>
	CLAUSE 19 C
	<p>In respect of all labor directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per KIAL Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs. 200/- for each default and in addition, the Engineer-in-charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor</p>
	CLAUSE 19 D
	<p>The contractor shall submit by the 4th and 19th of every month, to the Engineer-in-charge a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively:</p> <p>the number of laborers employed by him on the work,</p> <p>their working hours,</p> <p>the wages paid to him,</p> <p>the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and</p> <p>the number of female workers who have been allowed maternity benefit according to Clause 19F and the amount paid to them</p> <p>Failing which the contractor shall be liable to pay to KIAL, a sum not exceeding Rs. 200/- for each default or materially incorrect statement. The decision of the Engineer-in-charge shall be final in deducting from any bill due to the contractor; the amount levied as fine and be binding on the contractor.</p>
	CLAUSE 19 E
	<p>In respect of all labor directly or indirectly employed in the works for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by KIAL from time to time for the protection of health and sanitary arrangements for workers employed by the KIAL and its contractor.</p>
	CLAUSE 19 F
	Leave and pay during leave shall be regulated as follows:

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	<p>1. Leave: In the case of delivery - maternity leave not exceeding 8 weeks, 4 weeks upto and including the day of delivery and 4 weeks following that day. In the case of miscarriage - upto 3 weeks from the date of miscarriage.</p> <p>2. Pay: In the case of delivery – leave pay during maternity leave will be at the rate of women’s average daily earnings, calculated on total wages earned on the days when full time work was done during a period of three months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of Rupee one only a day whichever is greater. In the case of miscarriage – leave pay at the rate of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding the date of such miscarriage.</p> <p>3. Conditions for the grant of Maternity Leave: No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period of not less than six months immediately preceding the date on which she proceeds on leave</p> <p>4. The contractor shall maintain a register of Maternity (Benefit) in the Prescribed Form as shown in appendix – I and II, and the same shall be kept at the place of work.</p>
	<p>CLAUSE 19 G</p>
	<p>In the event of the contractor (s) committing a default or breach of any of the provisions of the Kannur International Airport Ltd Contractor’s Labor Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filling any statement under the provisions of the above Regulations and Rules which is materially incorrect, he / they shall, without prejudice to any other liability, pay to the KIAL a sum not exceeding Rs.200/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.200/- per day for each day of default subject to a maximum of 5 per cent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties.</p> <p>Should it appear to the Engineer-in-Charge that the contractor (s) is / are not properly observing and complying with the provision of the KIAL Contractor’s Labor Regulations and Model Rules and the provisions of the Contract Labor</p>

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	<p>(Regulation and Abolition) Act 1970, and the Contract Labor (R&A) Central Rules 1971, for the protection of health and sanitary arrangements for work – people employed the contractor (s) (hereinafter referred as “the said Rules”) the Engineer-in-Charge shall have power to give notice in writing to the contractor (s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work-people within a reasonable time to be specified in the notice. If the contractor (s) shall fail within the period specified in the notice to comply with and/ observe the said Rules and to provide the amenities to the work-people as aforesaid, the Engineer-in-Charge shall have the power to provide the amenities hereinbefore mentioned at the cost of the contractor(s). The contractor (s) shall erect, make and maintain at his / their own expense and to approved standards all necessary huts and sanitary arrangements required for his / their work –people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, the Engineer-in-Charge shall have power to give notice in writing to the contractor (s) requiring that the said huts and sanitary arrangements be remodeled and / or reconstructed according to approved standards, and if the contractor (s) shall fail to remodel or reconstruct such huts and sanitary arrangements according to approved standards within the period specified in the notice, the Engineer-in-Charge shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor (s).</p>
	<p>CLAUSE 19 H</p>
	<p>The contractor (s) shall at his / their own cost provided his / their labor with a sufficient number of huts (hereinafter referred to as the camp) on the following specifications on a suitable plot of land to be approved the Engineer-in-Charge.</p> <p>(a) The minimum height of each hut at the eaves level shall be 2.10m (7ft.) and the floor area to be provided will be at the rate of 2.7 sq.m. (30 sq.ft.) for each member of the worker’s family staying with the laborer.</p> <p>The contractor shall in addition construct suitable cooking places having a minimum area of 1.80m x 1.50m (6’ x 5’) adjacent to the hut for each family.</p> <p>The contractor(s) shall also construct temporary latrines and urinals for the use of the laborers each on the scale of not less than four per each one hundred of the total strength, separate latrines and urinals being provided for women.</p> <p>The contractor (s) shall construct sufficient number of bathing and washing places one unit for every 25 persons residing in the camp. These bathing and washing places shall be suitably screened.</p> <p>(ii) (a) All the huts shall have walls of sun-dried or burnt-bricks laid in mud</p>

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	<p>mortar or other suitable local materials as may be approved by the Engineer-in-Charge in case of sun-dried bricks, the walls should be plastered with mud gobri on both sides. The floor may be kutcha but plastered with mud gobri and shall be at least 15 cm (6") above the surrounding ground. The roofs shall be laid with the thatch or any other materials as may be approved by the Engineer-in-Charge and the contractor shall ensure that throughout the period of their occupation, the roofs remain water – tight.</p> <p>(b) The contractor (s) shall provide each hut with proper ventilation.</p> <p>(c) All doors, windows and ventilators shall be provided with suitable leaves for security purposes.</p> <p>(d) There shall be kept an open space of at least 7.2 m (8 yards) between the rows of huts which may be reduced to 6m (20 ft.) according to the availability of site with the approval of the Engineer-in-Charge. Back to back construction will be allowed.</p> <p>(iii) Water Supply – The contractor (s) shall provided adequate supply of water for the use of laborers. The provisions shall not be less than two gallons of pure and wholesome water per head per day for drinking purposes and three gallons of clean water per head per day for bathing and washing purposes. Where piped water supply is available supply shall be at stand posts and where the supply is from wells or river, tanks which may be of metal or masonry, shall be provide. The contractor (s) shall also at his / their own cost make arrangements for laying pipe lines for water supply to his / their labor camp from the existing mains wherever available and shall pay all fees and charges therefor.</p> <p>(iv) The site selected for the camp shall be high ground, removed from jungle.</p> <p>(v) Disposal of Excreta: The contractor (s) shall make necessary arrangement for the disposal of excreta from the latrines by trenching or incineration which shall be according to the requirements laid down by the Local Health Authorities. If trenching or incineration is not allowed, the contractor (s) shall make arrangements for the removal of the excreta through the Municipal Committee / authority and inform it about the number of laborers employed so that arrangements may be made by such Committee / authority for the removal of excreta. All charges on this account shall be borne by the contractor and paid direct by him to the Municipality / authority. The contractor shall provide one sweeper for every eight seats in case of dry system.</p> <p>(vi) Drainage – The contractor (s) shall provide efficient arrangements for draining away sullage water so as to keep the camp neat and tidy.</p> <p>(vii) The contractor (s) shall make necessary arrangements for keeping the camp area sufficiently lighted to avoid accidents to the workers.</p> <p>(viii) Sanitation: The contractor(s) shall make arrangements for conservancy and</p>
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	sanitation in the labor camps according to the rules of the Local Public Health and Medical Authorities.
	CLAUSE 19 I
	The Engineer-in-Charge may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors' employ upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements.
	CLAUSE 19 J
	It shall be the responsibility of the contractor to see that the building under construction is not occupied by any body unauthorized during construction, and is handed over to the Engineer-in-Charge with vacant possession of complete building. If such building though completed is occupied illegally, then the Engineer-in-Charge shall have the option to refuse to accept the said building/buildings in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay, a levy upto 5% of tendered value of work may be imposed by the Managing Director, KIAL. Whose decision shall be final both with regard to the justification and quantum and be binding on the contractor. However, the Managing Director, KIAL., through a notice may require the contractor to remove the illegal occupation any time on or before construction and delivery.
	CLAUSE 19 K
Employment of skilled / semi-skilled workers	The contractor shall at all stages of work deploy skilled / semi skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute / Industrial Training Institute/National Institution of Construction Management and research (NICMAR) National Academy of Construction, CIDC or any similar reputed and recognized Institute managed / certified by State / Central Government. The number of such qualified tradesmen shall not be less than 20% of total skilled / semi skilled workers required in each trade at any stage of work. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen alongwith requisite certificate from recognized Institute to Engineer in charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Engineer -in-Charge. Failure on the part of contractor to obtain approval of Engineer-in-Charge or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate of Rs.100 per such tradesman per day. Decision of Engineer in Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding. Provided always, that the provision of this clause, shall not be applicable for works with estimated cost put to tender being less than Rs.5 crores.
	CLAUSE 20
	The contractor shall comply with all the provision of the Minimum Wages Act, 1948,

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	and Contract Labor (Regulation and Abolition) Act, 1970 amended from time to time and rules framed thereunder and other labor laws affecting contract labor that may be brought into force from time to time.
	CLAUSE 20(A)
Minimum Wages Act to be Complied with	The Contractor shall comply with all the provisions of the Employees Provident Fund & Misc. Provisions Act, 1952, and ESI Act, 1948, amended from time to time and rules framed thereunder wherever applicable. Some of the provisions are given below :
Employees Provident Fund & Miscellaneous Provident Act 1952 and State Insurance (ESI) Act, 1948.	<p>a) The contractor shall intimate his PF Account Code No. allotted by Regional PF Commissioner and ESI Registration No. allotted by ESI Corporation, after award of work and shall continue to have valid PF Account Code No. and ESI Registration No. till actual completion of the contract.</p> <p>b) The contractor shall provide a list of contract Workers engaged for contract work along with their PF Account No. & ESI Registration No.</p> <p>c) The contractor by 20th of every month shall provide a monthly statement showing recoveries of contribution and proof of remittance of provident fund contribution to RPFC and ESI contributions to ESI Corporation in respect of Workers engaged in contract work.</p> <p>d) The contractor shall provide copies of PF & ESI challans of monthly contributions in respect of contract workers engaged for contract work on month to month basis.</p> <p>KIAL reserves the right to withhold minimum amount as detailed under, from the running account payments, if PF / ESI contributions are not paid by the contractor and proof to that effect have not been produced regularly on due dates.</p> <p>To withhold 3% for building work & 1.5% for road/pavement work of the total amount of work done during the period considered.</p>
	CLAUSE 20 (B)
	ESI & EPF amount paid to the statutory authorities other than monthly subscription towards workers if any by the contractor shall be reimbursed on actual basis on submission of documentary evidence.
	CLAUSE 21
Work not to be sublet. Action in case of insolvency	The contract shall not be assigned or sublet without the written approval of Engineer-in-Charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or

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	agent to any public officer or person in the employ of KIAL in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineers in Charge on behalf of the KIAL shall have power to adopt the course specified in Clause 3 hereof in the interest of KIAL and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.
	CLAUSE 22
	All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of KIAL without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.
	CLAUSE 23
Changes in firm's Constitution to be intimated	Where the contractor is a partnership firm, the previous approval in writing of the Engineer-in-Charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken and the same consequences shall ensue as provided in the said Clause 21.
	CLAUSE 24
	All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer-in-Charge who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.
	CLAUSE 25
Settlement of Dispute and Arbitration	Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever, in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter: Through Dispute Resolution Committee : Any dispute as stated above shall be referred in the first place within 15 days to the Managing Director, KIAL in writing for written instruction or decision. There upon the Managing Director, KIAL shall give his written instruction or decision within a period of one month from the receipt of the contractor's letter

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If the Managing Director, KIAL fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Managing Director, KIAL the contractor may, within 15 days of the receipt of the Managing Director's KIAL decision appeal to the The KIAL Board who shall afford an opportunity to the contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The KIAL Board shall give their decision within 30 days of receipt of the contractor's appeal.

If the contractor is dissatisfied with the decision of the KIAL Board, the contractor may within 30 days of receipt of the KIAL Board decision appeal before the Dispute Redressal Committee (DRC) with a limit of Rs. 100 lakhs with amounts claimed in respect of the said dispute. The DRC shall give their decision within 30 days of receipt of the contractor's appeal. The constitution of Dispute Redressal Committee (DRC) shall be as follows.

If the Dispute Redressal Committee (DRC) to give the decision within the aforesaid period or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC), then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), give notice to the KIAL Board for appointment of arbitrator on prescribed proforma provided by Engineer – in – Charge, failing which, the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.

It is also a term of contract that fees and other expense if payable to DRC shall be paid equally by both the parties i.e. KIAL and Contractor.

Unless the contract has already been repudiated or terminated, the contractor shall, in every case, continue to proceed with the work with all due diligence.

It is also a term of contract that If the contractor does not make any demand for Dispute Resolution Committee in respect of any claim in writing within 90 (Ninty) days of receiving the intimation from the KIAL that the bill is ready for payment, the claim of contracator(s) will be deemed to have been waved and absolutely barred and the KIAL shall be discharged and released of all liabilities under the contract in respect of these claims.

Adjudication through Arbitration:- Except where the decision has become final, binding and conclusive in terms of sub para (i) to (iv) above, disputes or differences shall be referred for adjudication arbitration by a sole arbitrator appointed by the Board of KIAL. If the arbitrator so appointed is unable or unwilling to act or resigns his appointments or vacate his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the references from the stage at which it was left by his predecessor. It is also a term of contract that if the contractor does not make any demand for appointment of arbitrator in respect of any claim in writing within 120 (One hundred twenty) days of receiving the decision/award from Dispute Resolution Committee,

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	<p>the claim of contractor(s) will be deemed to have been waived and absolutely barred and KIAL shall be discharged and released of all liabilities under the contract in respect of these claims.</p> <p>It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such disputes along with the notice for appointment of arbitrator and giving references to the rejection of their claims by the Dispute Resolution Committee.</p> <p>It is also a term of this contract that no person other than a person appointed by Appointing Authority should act as arbitrator and if for any reason, that is not possible, the matter shall not to be referred to arbitration at all.</p> <p>The Arbitrator shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996(26 of 1996) or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.</p> <p>It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases where the total amount of the claims by any party exceeds Rs.1,00,000/-, the arbitrator shall give reasons for the award.</p> <p>It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties.</p> <p>It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.</p>
	CLAUSE 26
Contractor to indemnify KIAL against Patent Rights	<p>The contractor shall fully indemnify KIAL against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay and royalties which may be payable in respect of any article or part thereof included in the contract. In the even of any claims made under or action brought against KIAL in respect of any such matters as aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise there from, provided that the contractor shall not be liable to indemnify the KIAL if the infringement of the patent or design or any alleged patent or design right is the direct</p>

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	result of an order passed by the Engineer-in-Charge in this behalf.
	CLAUSE 27
Lumpsum Provisions in Tender	When the estimate on which a tender is made, includes lump sum in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for such items ,or if the part of work in question is not, in the opinion of the Engineer-in-Charge payable of measurement, the Engineer-in-Charge may at his discretion pay the lump- sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provision of the clause.
	CLAUSE 28
Action where no specifications are specified	In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.
	CLAUSE 29
With-holding and lien in respect of sums due from contractor	(i) Whenever any claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge or the KIAL shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Engineer-in-Charge or the KIAL shall be entitled to withhold the security deposit if any, furnished as the case may be and also have a lien over the same pending finalization or adjudication of any such claim. In the even of the security being insufficient to cover the claimed amount or amounts or if so security has been taken from the contractor, the Engineer-in-Charge or the KIAL shall be entitled to withhold and have lien to retain to the extent of such claimed amount or amounts referred to above from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Engineer-in Charge of the KIAL or any contracting person through the Engineer-in-Charge pending finalization of adjudication of any such claim. It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in-Charge or KIAL will be kept withheld or retained as such by the Engineer-in-Charge or KIAL till the claim arising out of or under the contract is determined by the arbitrator. (if the contract is governed by the arbitration clause) by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above

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	<p>and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Engineer-in-Charge or the KIAL shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.</p> <p>(ii) KIAL shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by contractor under the contract or any work claimed to have been done by the him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over payment and it shall be lawful for KIAL to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by KIAL to the contractor, without any interest thereon whatsoever.</p> <p>Provided that the KIAL shall not be entitled to recover any sum overpaid, nor the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the Managing Director, KIAL on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by the Managing Director, KIAL.</p>
	CLAUSE 29 A
Lien in respect of claims in other Contracts	<p>Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or the KIAL or any other contracting person or persons through Engineer-in-Charge against any claim of the Engineer-in-Charge or KIAL or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineer-in-Charge or the KIAL or with such other person or persons. KIAL may withheld any money incase EIC got any complaint regarding short payment to any of the contractor's vendor or labours provided the complaint is found genuine and after issuing necessary notice to the contractor.</p> <p>It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the KIAL will be kept withheld or retained as such by the Engineer-in-Charge or the KIAL or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the</p>

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	contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.
	CLAUSE 30
Employment of coal mining or controlled area labor not permissible	<p>The contractor shall not employ coal mining or controlled area labor falling under any category whatsoever or in connection with the work or recruit labor from area within a radius of 32 km (20 miles) of the controlled area. Subject as above the contractor shall employ imported labor only i.e., deposit imported labor or labor imported by contractors from area, from which import is permitted.</p> <p>Where ceiling price for imported labor has been fixed by State or Regional Labor Committees not more than that ceiling price shall be paid to the labor by the contractor.</p> <p>The contractor shall immediately remove any laborer who may be pointed out by the Engineer-in-Charge as being a coal mining or controlled area laborer. Failure to do so shall render the contractor liable to pay to KIAL a sum calculated at the rate of Rs.10/- per day per laborer. The certificate of the Engineer-in-Charge about the number of coal mining or controlled area laborer and the number of days for which they worked shall be final and binding upon all parties to this contract.</p> <p>It is declared and agreed between the parties that the aforesaid stipulation in this clause is one in which the public are interested within the meaning of the exception in Section 74 of Indian Contract Act, 1872.</p> <p>Explanation: - Controlled area mean the following areas:</p> <p>Districts of Dhanbad, Hazaribagh, Jamtara- Sub-Division under Santhal Pargana Commissionery, District of Bankuara, Birbhum, Burdwan, District of Bilaspur. Any other area which may be declared a Controlled Area by or with the approval of the Central Government.</p>
	CLAUSE 31
Unfiltered water supply	<p>The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.</p> <p>That the water used by the contractor (s) shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.</p> <p>The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor (s) if the arrangements made by the contractor (s) for procurement of water are in the opinion of the Engineer-in-Charge, unsatisfactory</p>
	CLAUSE 31 A
Departmental water supply, if	Water if available may be supplied to the contractor by the department subject to the following conditions:-

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available	<p>The water charges @1% shall be recovered on gross amount of the work done. The contractor(s) shall make his/their own arrangement of water connection and laying of pipelines from existing main of source of supply.</p> <p>KIAL do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor (s) to make alternative arrangements for water at his/their own cost in the even of any temporary break down in the KIAL's water main so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.</p>
	CLAUSE 32
Alternate water arrangements	<p>Where there is no piped water supply arrangement and the water is taken by the contractor from the wells or hand pump constructed by the KIAL, no charge shall be recovered from the contractor or that account. The contractor shall, however, draw water at such hours of the day that it does not interfere with the normal use for which the hand pumps and well are intended. He will also be responsible for all damage and abnormal repairs arising out of his use, the cost of which shall be recoverable from him. The Engineer-in-Charge shall be the final authority to determine the cost recoverable from the contractor on this account and his decision shall be binding on the contractor.</p> <p>The contractor shall be allowed to construct temporary wells in KIAL land for taking water for construction purposes only after he has got permission of the Engineer-in-Charge in writing. No charges shall be recovered from the contractor on this account but the contractor shall be required to provide necessary safety arrangements to avoid any accidents or damage to adjacent buildings, roads and service lines. He shall be responsible for any accidents or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.</p>
	CLAUSE 33
Return of Surplus materials	<p>Notwithstanding anything contained to the contrary in this contract, where any materials for the execution of the contract are procured with the assistance of KIAL either by issue from KIAL stocks or purchase made under orders or permits or licences issued by KIAL, the contractor shall hold the said materials economically and solely for the purpose of the contract and not dispose of them without the written permission of the KIAL and return, if required by the engineer-in-Charge, all surplus or unserviceable materials that may be left with him after the completion of the contract or at its termination for any reason whatsoever on being paid or credited such prices as the Engineer-in-Charge shall determine having due regard to the condition of the materials. The price allowed to the contractor however shall not exceed the amount charged to him excluding the element of storage charges. The decision of the Engineer-in-Charge shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to action for contravention of the terms of the license or permit and / or for criminal</p>

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	breach of trust, be liable to KIAL for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach.
	CLAUSE 34
Hire of plant & Machinery	<p>The Contractor shall arrange at his own expense all tools, plant, machinery and equipment(hereinafter referred to as T&P) required for execution of the work except for the Plant & Machinery listed in Schedule 'C' and stipulated for issue to the contractor. If the contractor requires any item of T&P on hire from the T&P available with the KIAL over and above the T&P stipulated for issue, the KIAL will, if such item is available, hire it to the contractor at rates to be agreed upon between him and the Engineer-in-charge. In such a case, all the conditions hereunder for issue of T & P shall also be applicable to such T&P as is agreed to be issued.</p> <p>Plant & Machinery when supplied on hire charges shown in Schedule 'C' shall be made over and taken back at the departmental equipment yard / shed shown in Schedule 'C' and the contractor shall bear the cost of carriage from the place of issue to the site of work and back. The contractor shall be responsible to return the plant and machinery with condition in which it was handed over to him, and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation and otherwise during transit including damage to or loss of plant and for all losses due to his failure to return the same soon after the completion of the work for which it was issued. The Engineer-in-charge shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.</p> <p>The plant and machinery as stipulated above will be issued as and when available and if required by the contractor. The contractor shall arrange his programme of work according to the availability of the plant and machinery and no claim, whatsoever, will be entertained from him for any delay in supply by the department.</p> <p>The hire charges shall be recovered at the prescribed rates from and inclusive of the date the plant and machinery made over upto and inclusive of the date of the return in good order even though the same may not have been working for any cause except major breakdown due to no fault of the contractor or faulty use requiring more than three working days continuously (excluding intervening holidays and Sundays) for bringing the plant in order. The contractor shall immediately intimate in writing to the Engineer-in-charge when any plant or machinery gets out of order requiring major repairs as aforesaid. The Engineer-in-charge shall record the date and time of receipt of such intimation in the log sheet of the plant or machinery. Based on this if the breakdown will be computed considering half a day's breakdown on the day of complaint. If the breakdown occurs in the post lunch period of major breakdown will</p>

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	<p>be computed starting from the next working day. In case of any dispute under this clause, the decision of the Engineer in Charge / Chief Project Engineer, KIAL shall be final and binding on the contractor.</p> <p>The hire charges shown above are for each day of 8 hours (inclusive of the one hour lunch break) or part thereof.</p> <p>Hire charges will include service of operating staff as required and also supply of lubricating oil and stores for cleaning purposes. Power fuel of approved type, firewood, kerosene oil etc. for running the plant and machinery and also the full time chowkidar for guarding the plant and machinery against any loss or damage shall be arranged by the contractor who shall be fully responsible for the safeguard and security of plant and machinery. The contractor shall on or before the supply of plant and machinery sign an agreement indemnifying the Department against any loss or damage caused to the plant and machinery either during transit or at site of work.</p> <p>Ordinarily, no plant and machinery shall work for more than 8 hours a day inclusive of one hour lunch break. In case of an urgent work however, the Engineer-in-charge may, at his discretion, allow the plant and machinery to be worked for more than normal period of 8 hours a day. In that case, the hourly hire charges for overtime to be borne by the contractor shall be 50% more than the normal proportionate hourly charges (1/8th of the daily charges) subject to a minimum of half day's normal charges on any particular day. For working out hire charges for over time, a period of half an hour and above will be charged as one hour and a period of less than half an hour will be ignored.</p> <p>The contractor shall release the plant and machinery every seventh day for periodical servicing and / or wash out which may take about three to four hours or more. Hire charges for full day shall be recovered from the contractor for the day of servicing / wash out irrespective of the period employed in servicing.</p> <p>The plant and machinery once issued to the contractor shall not be returned by him on account of lack of arrangements of labor and materials, etc. on his part, the same will be returned only when they are required for major repairs or when in the opinion of the Engineer-in-charge, the work or a portion of work for which the same was issued is completed.</p> <p>Log Book for recording the hours of daily work for each of the plant and machinery supplied to the contractor will be maintained by the Department and will be countersigned by the contractor or his authorised agent daily. In case the contractor contests the correctness of the entries and / or fails to sign the Log Book, the decision of the Engineer-in-charge shall be final and binding on him. Hire charges will be</p>
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	<p>calculated according to the entries in the Log Book and will be binding on the contractor. Recovery on account of hire charges for road rollers shall be made for the minimum number of days worked out on the assumption that a roller can consolidate per day and maximum quantity of materials or area surfacing as noted against each in the annexed statement (see attached annexure).</p> <p>In the case of concrete mixers, the contractors shall arrange to get the hopper cleaned and the drum washed at the close of the work each day or each occasion.</p> <p>a) In case rollers for consolidation are employed by the contractor himself, log book for such rollers shall be maintained in the same manner as is done in case of departmental rollers, maximum quantity of any items to be consolidated for each roller-day shall also be same as in Annexure to Clause 34(x). For less use of rollers, recovery for the less roller days shall be made at the stipulated issue rate.</p> <p>The contractor shall be responsible to return the plant and machinery in the condition in which it was handed over to him and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation or otherwise or during transit including damage to or loss of parts, and for all losses due to his failure to return the same soon after the completion of the work for which it was issued. The Engineer-in-charge shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.</p> <p>The contractor will be exempted from levy of any hire charges for the number of days he is called upon in writing by the Engineer-in-charge to suspend execution of the work, provided KIAL's plant and machinery in question have, in fact, remained idle with the contractor because of the suspension.</p> <p>In the event of the contractor not requiring any item of plant and machinery issued by KIAL though not stipulated for issue in Schedule 'C' any time after taking delivery at the place of issue, he may return it after two days written notice or at any time without notice if he agrees to pay hire charges for two additional days without, in any way, affecting the right of the Engineer-in-charge to use the said plant and machinery during the said period of two days as he likes including hiring out to a third party.</p>
	CLAUSE 35
Condition relating to use of asphaltic materials	<p>The contractor undertakes to make arrangement for the supervision of the work by the firm supplying the tar or bitumen used.</p> <p>The contractor shall collect the total quantity of tar or bitumen required for the work as per standard formula, before the process of painting is started and shall hypothecate it to the Engineer-in-Charge. If any bitumen or tar remains unused on</p>

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	<p>completion of the work on account of lesser use of materials in actual execution of for reasons other than authorised changes of specifications and abandonment of portion of work, a corresponding deduction equivalent to the cost of unused materials as determined by the Engineer-in-Charge shall be made and the material return to the contractors. Although the materials are hypothecated to KIAL, the contractor undertakes the responsibility for their proper watch, safe custody and protection against all risks. The materials shall not be removed from site of work without the consent of the Engineer-in-Charge in writing.</p> <p>The contractor shall be responsible for rectifying defects noticed within a year from the date of completion of the work and the portion of the security deposit relating asphaltic work shall be refunded after the expiry of this period.</p>
	CLAUSE 36
Employment of Technical Staff and employees	<p>Contractors Superintendence, Supervision, Technical staff & Employees</p> <p>The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract.</p> <p>The Contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-Charge, the name (s), qualifications experience, age, address (s) and other particulars along with certificates, of the principal technical representative to be charge of the work and other technical representative (s) who will be supervising the work. Minimum requirement of such technical representative (s) and their qualifications and experience shall not be lower than specified in schedule 'F'. The Engineer-in-Charge shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative (s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative</p> <p>(s) According to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative and other technical representative (s) shall be appointed by the contractor soon after receipt of the approval from Engineer-in-charge and shall be available at site before start of work.</p> <p>All the provisions applicable to the principal technical representative under the clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative (s) shall be present at the site of work for supervision at all times when any construction activity is in progress</p>

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	<p>and also present himself/themselves, as required to the Engineer-in-Charge and / or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative (s) shall be deemed to have the same force as if these have been given to the contractor. The Principal Technical Representative and other technical representatives shall be actually available at site fully during all stages of execution work, during recording / checking / test checking of measurements of works whenever so required by the Engineer-in-Charge and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements / checked measurements / test checked measurements. The representative (s) shall not look after any other work. Substitutes, duly approved by engineer – in-Charge of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative (s) by more than two days.</p> <p>If the Engineer-in-Charge, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative (s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Schedule 'F' and the decision of the Engineer-in-Charge as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable technical Principal technical representative and / or other technical representative (s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibility satisfactorily, the Engineer – in – Charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative (s) is / are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative (s) along with every on account bill / final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.</p> <p>The contractor shall provide and employ on the site only such technical assistants as are skilled, and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.</p> <p>The contractor shall provide and employ skilled, semi-skilled and unskilled labor as is necessary for proper and timely execution of the work.</p> <p>The Engineer-in-Charge shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is</p>
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	incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer-in Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer-in-Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.
	CLAUSE 37
Levy/Taxes payable by Contractor	<p>All tax on materials in respect of this contract shall be payable by the contractor and KIAL shall not entertain any claim whatsoever in this respect.</p> <p>(a) The contractor shall at his own expense, provide all materials required for the works other than those which are to be supplied by KIAL. The contractor shall deposit royalty and obtain necessary permit for collection of stone, sand red bajri, kankar etc. from the local authority in the matter and will abide by the notification issued by Central Govt. / State Government / Local State Authorities as applicable from time to time in this regard. The contractor is also bound to allow deduction from his bills any difference in statutory taxes / royalty and penalty proposed by Local State Authorities to KIAL till finalization of settlement of all demands in this regard by Central / State Govt.</p> <p>(b) This will also be applicable to forest produce.</p> <p>If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the KIAL and does not any time become payable by the contractor to the State Government. Local authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the KIAL and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.</p>
	CLAUSE 38
Conditions for reimbursement of levy / taxes if levied after receipt of tenders.	<p>All tendered rates shall be inclusive of all taxes and levies (except service tax) payable under respective statutes. However, pursuant to the Constitution (46th Amendment) Act, 1982, if any further tax or levy is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes / levies, the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Engineer-in-charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.</p> <p>The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of KIAL or the Engineer-in-Charge and further shall furnish such other information / document as the Engineer-in-Charge may require from time to time.</p> <p>The contractor shall, within a period of 30 days of the imposition of any such further tax or levy, pursuant to the Constitution (Forty Sixth Amendment) Act, 1982, give a written notice thereof to the Engineer-in-Charge that the same is given pursuant to</p>

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	this condition together with all necessary information relating thereto.
	CLAUSE 39
Termination of Contract on death of contractor	Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Engineer-in-charge on behalf of the KIAL shall have the option of terminating the contract without compensation to the contractor.
	CLAUSE 40
If relative working in KIAL then the contractor not allowed to tender	<p>The contractor shall not be permitted to tender for works in KIAL wherein his near relative is posted as an Officer responsible for award and execution of work. He shall also intimate the names of persons who are working with him in any capacity or / are subsequently employed by him and who are near relatives to any officer of KIAL. Any breach of this condition by the Contractor would render him, the contract liable to be rejected at any stage.</p> <p>NOTE: By the term “near relatives” is meant wife, husband, parents and grand parents, children and grand children, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.</p>
	CLAUSE 41
No any officer in Deptt of Engineering to work as Contractor within two year of retirement	No engineer or any officer employed in engineering or administrative duties in an engineering department of KIAL shall work as a contractor or employee of a contractor for a period of two year after his retirement from KIAL service without the previous permission of KIAL in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of KIAL as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.
	CLAUSE 42
Return of material and recovery for excess material issued.	<p>After completion of the work and also at any intermediate stage in the event of non-reconciliation of materials issued, consumed and in balance – (see Clause 10), Theoretical quantity of materials issued by the KIAL for use in the work shall be calculated on the basis and method given hereunder;</p> <p>Quantity of cement & bitumen shall be calculated on the basis of quantity of cement & bitumen required for different items of work as shown in the Schedule of Rates mentioned in Schedule ‘F’. In case any item is executed for which standard co-efficients for the consumption of cement or bitumen are not available in the above mentioned schedule / statement or cannot be derived from the same shall be calculated on the basis of standard formula to be laid down by the Engineer-in-Charge.</p> <p>Theoretical quantity of steel reinforcement or structural steel sections shall be taken as the quantity required as per design or as authorised by Engineer-in-Charge,</p>

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	<p>including authorised lappages, chairs etc. plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual issues each diameter-wise, section wise and category wise separately.</p> <p>Theoretical quantity of G.I. & C.I. or other pipes, conduits, wires and cables pig lead and G.I. / M.S. sheets shall be taken as quantity actually required and measures plus 5% for wastage due to cutting into pieces (except in the case of G.I./M.S. sheets it shall be 10%), such determination & comparison being made diameter wise & categorywise.</p> <p>For any other material as per actual requirements.</p> <p>Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule 'F'. The difference in the net quantities of material actually issued to the contractor and the theoretical quantities including such authorised variation, if not returned by the contractor or if not fully reconciled to the satisfaction of the Engineer-in-Charge within fifteen days of the issue of written notice by the Engineer-in-Charge to this effect shall be recovered at the rates specified in Schedule 'F', without prejudice to the provision of the relevant conditions regarding return of materials governing the contract. Decision of Engineer-in-Charge in regard to theoretical quantities of materials, which should have been actually used as per the Annexure of the standard schedule of rates and recovery at rates specified in Schedule 'F' shall be final and binding on the contractor. For non scheduled items, the decision of the Engineer – in - charge regarding theoretical quantities of materials which should have been actually used, shall be final and binding on the contractor.</p> <p>The said action under this clause is without prejudice to the right of the KIAL to taken action against the contractor under any other conditions of contract for not doing the work according to the prescribed specifications.</p>
	CLAUSE 43
Compensation during warlike Situations	<p>The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to the Engineer-in-Charge and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by the Engineer-in-Charge to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by the Engineer-in-Charge, such payments being in addition to compensation</p>

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	<p>upto the value of the work original executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Engineer-in-Charge upto Rs.5,000/- and by the Managing Director, KIAL. concerned for a higher amount. The contractor shall be paid for the damages / destruction suffered and for restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of the Engineer-in-Charge regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.</p> <p>Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operation (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the A.R.P. Officers or the Engineer-in-Charge (b) for any material etc. not on the site of the work or for any tools plant, machinery, scaffolding, temporary building and other things not intended for the work. In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Engineer – in - charge.</p>
	CLAUSE 44
Apprentices Act provisions to be complied with	<p>The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Managing Director, KIAL may, in his discretion, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.</p>
	CLAUSE 45
Release of security deposit after labor clearance	<p>Security Deposit of the work shall not be refunded till the contractor produces a clearance certificate from the Labor Officer. As soon as the work is virtually complete the contractor shall apply for the clearance certificate to the Labor Officer under intimation to the Engineer-in-Charge. If no complaint is pending, on record till after 3 months after completion of the work and / or no communication is received from the Labor Officer to this effect till six months after the date of completion, it will be deemed to have received the clearance certificate and the Security Deposit will be released if otherwise due.</p>
	CLAUSE 46
Contractor's Liability and Insurance of Works	<p>From commencement to completion of the Works, the Contractor shall take full responsibility for the case thereof and for taking precautions to prevent loss or damage and to minimize loss or damage to the greatest extent possible and shall be liable for any damage or loss that may happen to the Works or any part thereof and all KIAL's T & P from any cause whatsoever (save and except the Excepted Risks) and shall at his own cost repair and make good the same so that at completion, the Works and all KIAL's T & P shall be in good order and condition and in conformity in every respect with the requirements of the Contract and instructions of the</p>

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	<p>Engineer-in-Charge.</p> <p>In the event of any loss or damage to the Works or any Part thereof or to any T & P, to any material or articles at the Site from any of the Excepted Risks the following provisions shall have effect:</p> <p>The Contractor shall, as may be directed in writing by the Engineer-in-Charge, remove from the Site any debris and so much of the works as shall have been damaged, taking to KIAL's store such KIAL's T & P, articles and/or materials as may be directed;</p> <p>The contractor shall, as may be directed in writing by the Engineer-in-Charge, proceed with the erection and completion of the Works under and in accordance with the provisions and Conditions of the Contract; and</p> <p>Provided always that the Contractor shall not be entitled to payment under the above provisions in respect of so much loss or damage as has been occasioned by any failure on his part to perform his obligation under the Contract or not taking precautions to prevent loss or damage or minimize the amount of such loss or damage.</p> <p>Without limiting its obligations and responsibilities under other clauses of General Conditions of Contracts, the contractor at his own cost shall insure, in the joint name of KIAL and the contractor, against all losses or damages from whatever cause, arising (other than the accepted risks) for which he is responsible under the terms of the contract and in such manner that the KIAL and the contractor are covered during the period of construction of works and any loss or damage occasioned by the contractor in the course of any operation carried out by them for the purpose of complying with its obligations of defects liability clause hereof;</p> <p>All works including temporary works to their full value executed from time to time.</p> <p>The construction materials and equipments to their full value brought on to the site by the contractor.</p> <p>The Contractor shall indemnify and keep indemnified KIAL against all losses and claims for injuries or damage to any persons or any property whatsoever which may arise out of or in consequence of the construction and maintenance of Works and against all claims, demands proceedings, damage costs, charges and expenses whatsoever in respect of or in relation thereto.</p> <p>Before commencing execution of the work, the Contractor shall, without in any way limiting his obligations and responsibilities under this condition, insure at his own cost against any damage, loss or injury which may occur to any KIAL property, or to any person for at least the minimum amount of Rs. 1.00 lakh with unlimited number of occurrences (including any employee of KIAL) by or arising out of carrying out of the Contract.</p> <p>The contractor shall at all times indemnify KIAL against all claims, damages or compensation under the provisions of Payment or Wages Act, 1936, Minimum Wages Act, 1948, Employer's Liability Act, 1938, the Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947 and the Maternity Benefit Act, 1961 or any modifications thereof or any other law relating thereto and rules made there under from time to time</p>
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	<p>or as a consequence of any accident or injury to any workman or other persons in or about the Works, whether in the employment of the Contractor or not, his agents or servants, and also against all costs, charges and expenses of any suit, action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the Contractor be paid to compromise or compound any claim. Without limiting his obligations and liabilities as above provided, the Contractor shall insure against all claims, damages or compensation payable under the Workmen's Compensation Act, 1923 or any modification thereof or any other law relating thereto.</p> <p>All insurance mentioned above shall be effected with any subsidiary of the General Insurance Company of India or by a company approved by the Insurance Regulatory Authority of India.</p> <p>The aforesaid insurance policy / policies shall provide that they shall not be cancelled till the Engineer-in-Charge has agreed to their cancellation in writing.</p> <p>The Contractor shall prove to the Engineer-in-Charge from time to time that he has taken out all the insurance policies referred to above and has paid the necessary premiums for keeping the policies alive till expiry of the Defects Liability Period. A self-certified copy of such policies are required to be submitted to the Engineer-in-charge.</p> <p>The Contractor shall ensure that similar insurance policies are taken out by his subcontractors (if any) and shall be responsible for any claims or losses to KIAL resulting from their failure to obtain adequate insurance protection in connection thereof. The contractor shall produce or cause to be produced by his subcontractor (if any) as the case may be, the relevant policy or policies and premiums receipts as and when required by the Engineer-in-Charge. A self-certified copy of such policies are required to be submitted to the Engineer-in-charge.</p> <p>If the Contractor and/or his subcontractor (if any) shall fail to effect and keep in force the insurance referred to above or any other insurance which he/they may be required to effect under the terms of the Contract then and in any such case KIAL may, without being bound to, effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by KIAL from any moneys due or which may become due to the Contractor or recover the same as a debt due from the Contractor.</p>
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SAFETY CODE

1. Suitable Scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical)
2. Scaffolding of staging more than 3.6m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding on staging and extending along the entire length of the outside and ends thereof with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm.(3ft.)
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11 ½ ") for ladder upto and including 3m. (10ft.) in length. For long ladders, this width should be increased at least $\frac{1}{4}$ " for each additional 30cm. (1 foot) of length. Uniform step spacing of not more than 30cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the site or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit, action or proceedings to any such person on which may, with the consent of the contractor, be paid to compensate any claim by any such person.
6. Excavation and Trenching – All trenches 1.2 m. (4ft.) or more in depth, shall at all times be

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supplied with at least one ladder for each 30m. (100ft.) in length or fraction thereof, Ladder shall extend from bottom of the Trench to at least 90cm (3fts) above the surface of the ground. The side of the trenches which are 1.5 m. (5 ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated material shall not be placed within 1.5 m. (5 ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.

- 7 Demolition – Before any demolition work is commenced and also during the progress of the work,
 - (i) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
 - (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
 - (iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
- 8 All necessary personal safety equipment as considered adequate by the Engineer-in-Charge should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned. The following safety equipment shall invariably be provided.
 - (i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - (ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
 - (iii) Those engaged in welding works shall be provided with welder's protective eye-shields.
 - (iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - (v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated atleast for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measures are adhered to:-
 - (a) Entry for workers into the line shall not be allowed except under supervision of the Sr.Superintendent (Engg.) or any other higher officer.

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- (b) Atleast 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
- (c) Before entry, presence of toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
- (d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with oxygen kit.
- (e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
- (f) The area should be barricaded or condoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
- (g) No smoking or open flames shall be allowed near the blocked manhole being cleaned
- (h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
- (i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. The Engineer-in-Charge may decide the time upto which a worker may be allowed to work continuously inside the manhole.
- (j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
- (k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
- (l) The workers engaged for cleaning the manholes / sewers should be properly trained before allowing to work in the manhole.
- (m) The workers shall be provided with Gumboots or non sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.

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- (n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
- (o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
- (p) The extent to which these precautions are to be taken depend on individual situation but the decision of the Engineer-in-Charge regarding the steps to be taken in this regard in an individual case will be final.
- (vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-
 - (a) No paint containing lead or lead products shall be used except in the form of paste or ready made paint.
 - (b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
 - (c) Overall shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.
- 9. An additional clause (viii)(i) of KIAL Safety Code (iv) the Contractor shall not employ women and men below the age of 18 on the work of painting with product containing lead in any form, wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:
 - (i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.
 - (ii) Measures shall be taken, wherever required in order to prevent danger arising from the application of a paint in the form of spray.
 - (iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
 - (iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
 - (v) Overall shall be worn by working painters during the whole of working period.
 - (vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
 - (vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man appointed by competent authority of KIAL.

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- (viii) KIAL may require, when necessary medical examination of workers.
 - (ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.
10. When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.
11. Use of hoisting machines and tackle including their attachments, anchorage and supports shall conform to the following standards or conditions:
- (i) (a) These shall be of good mechanical construction, sound materials and adequate strength and free from patent defects and shall be kept repaired and in good working order.
 - (b) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
 - (ii) Every crane driver or hoisting appliance operator, shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine including any scaffolding winch or give signals to operator.
 - (iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - (iv) In case of departmental machines, the safe working load shall be notified by the Electrical Engineer-in-Charge. As regards contractor's machines the contractors shall notify the safe working load of the machine to the Engineer-in-Charge whenever he brings any machinery to site of work and get it verified by the electrical Engineer concerned.
12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be

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provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.

- 13 All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.
- 14 These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.
- 15 To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labor Officer or Engineer-in-Charge of the department or their representatives.
- 16 Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rules in force in the Republic of India.

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MODEL RULES FOR THE PROTECTION OF
HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS
EMPLOYED BY KIAL OR ITS CONTRACTORS

1. APPLICATION

These rules shall apply to all buildings and construction works in charge of KIAL in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.

2. DEFINITION

Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.

3. FIRST-AID FACILITIES

- (i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labor or part thereof ordinarily employed.
- (ii) The first-aid box shall be distinctly marked with a red cross on white back ground and shall contain the following equipment.
 - (a) For work places in which the number of contract labor employed does not exceed 50 Each first –aid box shall contain the following equipments:
 - 1. 6 small sterilised dressings
 - 2. 3 medium size sterilised dressings
 - 3. 3 large size sterilised dressings
 - 4. 3 large sterilised burn dressings
 - 5. 1 (30 ml) bottle containing a two per cent alcoholic solution of iodine.
 - 6. 1 (30 ml) bottle containing salvolatile having the dose and mode of administration indicated on the label.
 - 7. 1 snakebite lancet.
 - 8. 1 (30 gms) bottle of potassium permanganate crystals.
 - 9. 1 pair scissors.

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10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labor Institute, Government of India.
 11. 1 bottle containing 100 tablets (each of 5 gms) of aspirin.
 12. Ointment for burns.
 13. A bottle of suitable surgical antiseptic solution.
- (b) For work places in which the number of contract labor exceed 50. Each first-aid box shall contain the following equipments.
1. 12 small sterilised dressings.
 2. 6 medium size sterilised dressings.
 3. 6 large size sterilised dressings
 4. 6 large size sterilised burn dressings.
 5. 6 (15 gms) packets sterilised cotton wool.
 6. 1 (60 ml). Bottle containing two per cent alcoholic solution iodine.
 7. 1 (60 ml) bottle containing salvolatile having the dose and mode of administration indicated on the label.
 8. 1 roll of adhesive plaster.
 9. 1 snake bite lancet.
 10. 1 (30 gms) bottle of potassium permanganate crystals.
 11. 1 pair scissors.
 12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labor Institute / Government of India.
 13. A bottle containing 100 tablets (each of 5 gms) of aspirin.
 14. Ointment for burns.
 15. A bottle of suitable surgical antiseptic solution.
- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.
- (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
- (v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- (vi) a person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labor employed is 150 or more.

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- (vii) In work places where the number of contract labor employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
- (viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

4. DRINKING WATER

- (i) In every work place, there shall be provided and maintained at suitable places, easily accessible to labor, a sufficient supply of cold water fit for drinking.
- (ii) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
- (iii) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.
- (iv) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

5. WASHING FACILITIES

- (i) In every work place adequate and suitable facilities for washing shall be provided and maintained for the use of contract labor employed therein.
- (ii) Separate and adequate cleaning facilities shall be provided for the use of male and female workers.
- (iii) Such facilities shall be conveniently accessible and shall be kept in clean and hygienic condition.

6. LATRINES AND URINALS

- (i) Latrines shall be provided in every work place on the following scale namely:
 - (a) Where female are employed, there shall be at least one latrine for every 25 females.
 - (b) Where males are employed, there shall be at least one latrine for every 25 males.Provided that, where the number of males or females exceeds 100, it shall be sufficient if there is one latrine for 25 males or females as the case may be upto

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the first 100, and one for every 50 thereafter.

- (ii) Every latrine shall be under cover and so partitioned off as to secure privacy, and shall have a proper door and fastenings.
- (iii) Construction of latrines: The inside walls shall be constructed of masonry or some suitable heat-resisting nonabsorbent materials and shall be cement washed inside and outside at least once a year, Latrines shall not be of a standard lower than borehole system.
- (v) (a) Where workers of both sexes are employed, there shall be displayed outside each block of latrine and urinal, a notice in the language understood by the majority of the workers "For Men only" or "For Women Only" as the case may be.
(b) The notice shall also bear the figure of a man or of a woman, as the case may be.
- (v) There shall be at least one urinal for male workers upto 50 and one for female workers upto fifty employed at a time, provided that where the number of male or female workmen, as the case may be exceeds 500, it shall be sufficient if there is one urinal for every 50 males or females upto the first 500 and one for every 100 or part thereafter.
- (vi) (a) The latrines and urinals shall be adequately lighted and shall be maintained in a clean and sanitary condition at all times.
(b) Latrines and urinals other than those connected with a flush sewage system shall comply with the requirements of the Public Health Authorities.
- (vii) Water shall be provided by means of tap or otherwise so as to be conveniently accessible in or near the latrines and urinals.
- (viii) Disposal of excreta: Unless otherwise arranged for by the local sanitary authority, arrangements for proper disposal of excreta by incineration at the work place shall be made by means of a suitable incinerator. Alternately excreta may be disposed of by putting a layer of night soil at the bottom of a pucca tank prepared for the purpose and covering it with a 15 cm. Layer of waste or refuse and then covering it with a layer of earth for a fortnight (when it will turn to manure).
- (ix) The contractor shall at his own expense, carry out all instructions issued to him by the Engineer-in-Charge to effect proper disposal of night soil and other conservancy work in respect of the contractor's workmen or employees on the site. The contractor shall be responsible for payment of any charges which may be levied by Municipal or Cantonment Authority for execution of such on his behalf.

7. PROVISION OF SHELTER DURING REST

At every place there shall be provided, free of cost, four suitable sheds, two for meals and the

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other two for rest separately for the use of men and women labor. The height of each shelter shall not be less than 3 metres (10 ft) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sq.m. (6 sft) per head.

Provided that the Engineer-in-Charge may permit subject to his satisfaction, a portion of the building under construction or other alternative accommodation to be used for the purpose.

8. CRECHES

- (i) At every work place, at which 20 or more women workers are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19 H (ii) a, b & c.
- (ii) The rooms shall be provided with suitable and sufficient openings for light and ventilation. There shall be adequate provision of sweepers to keep the places clean.
- (iii) The contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the bed room.
- (iv) The contractor shall provide one ayaa to look after the children in the crèche when the number of women workers does not exceed 50 and two when the number of women workers exceed 50.
- (v) The use of the rooms earmarked as crèches shall be restricted to children, their attendants and mothers of the children.

9. CANTEENS

- (i) In every work place where the work regarding the employment of contractor labor is likely to continue for six months and where in contract labor numbering one hundred or more are ordinarily employed, an adequate canteen shall be provided by the contractor for the use of such contract labor.
- (ii) The canteen shall be maintained by the contractor in an efficient manner.
- (iii) The canteen shall consist of at least a dining hall, kitchen, storeroom, pantry and washing places separately for workers and utensils.
- (iv) The canteen shall be sufficiently lighted at all times when any person has access to it.
- (v) The floor shall be made of smooth and impervious materials and inside walls shall be lime-washed or colour washed at least once in each year.

Provided that the inside walls of the kitchen shall be lime washed every four months.

- (vi) The premises of the canteen shall be maintained in a clean and sanitary condition.
- (vii) Waste water shall be carried away in suitable covered drains and shall not be allowed to accumulate so as to cause a nuisance.
- (viii) Suitable arrangements shall be made for the collection and disposal of garbage.

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- (ix) The dining hall shall accommodate at a time 30 per cent of the contract labor working at a time.
- (x) The floor area of the dining hall, excluding the area occupied by the service counter and any furniture except tables and chairs shall not be less than one square metre (10 sft) per diner to be accommodated as prescribed in sub-Rule 9.
- (xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers in proportion to their number.
- (b) Washing places for women shall be separate and screened to secure privacy.
- (xii) Sufficient tables, stools, chairs or benches shall be available for the number of diners to be accommodated as prescribed in Sub-Rule 9.
- (xiii)
- (a) 1. There shall be provided and maintained sufficient utensils crockery, furniture and any other equipment necessary for the efficient running of the canteen.
2. The furniture utensils and other equipment shall be maintained in a clean and hygienic condition.
- (b) 1. Suitable clean clothes for the employees serving in the canteen shall be provided and maintained.
2. A service counter, if provided, shall have top of smooth and impervious material.
3. Suitable facilities including an adequate supply of hot water shall be provided for the cleaning of utensils and equipments.
- (xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contract labor.
- (xv) The charges for food stuffs, beverages and any other items served in the canteen shall be based on 'No Profit, No loss' and shall be conspicuously displayed in the canteen.
- (xvi) In arriving at the price of foodstuffs, and other article served in the canteen, the following items shall not be taken into consideration as expenditure namely :-
- (a) The rent of land and building.
- (b) The depreciation and maintenance charges for the building and equipments provided for the canteen.
- (c) The cost of purchase, repairs and replacement of equipments including furniture, crockery cutlery and utensils.
- (d) The water charges and other charges incurred for lighting and ventilation.
- (e) The interest and amounts spent on the provision and maintenance of equipments

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provided for the canteen.

- (xvii) The accounts pertaining to the canteen shall be audited once every 12 months by registered accountants and auditors.

10. ANTI-MALARIAL PRECAUTIONS

The contractor shall at his own expense, conform to all anti-malarial instructions given to him by the Engineer-in-Charge including the filling up of any borrow pits which may have been dug by him.

11. The above rules shall be incorporated in the contracts and in notices inviting tenders and shall form an integral part of the contracts.

12. AMENDMENTS

KIAL may, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.

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CONTRACTOR'S LABOR REGULATIONS

SHORT TITLE

These regulations may be called the KIAL Contractors Labor Regulations.

DEFINITIONS

Workman means any person employed by KIAL or its contractor directly or indirectly through a subcontractor with or without the knowledge of the KIAL to do any skilled, semiskilled or unskilled manual, supervisory, technical or clerical work for hire or reward, whether the terms of employment are expressed or implied but does not include any person :-

Who is employed mainly in a managerial or administrative capacity: or

Who, being employed in a supervisory capacity draws wages exceeding five hundred rupees per mensem or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature : or

Who is an out worker, that is to say, person to whom any article or materials are given out by or on behalf of the principal employers to be made up cleaned, washed, altered, ornamental finished, repaired adopted or otherwise processed for sale for the purpose of the trade or business of the principal employers and the process is to be carried out either in the home of the out worker or in some other premises, not being premises under the control and management of the principal employer.

No person below the age of 18 years shall be employed to act as a workman.

Fair Wages means wages whether for time or piece work fixed and notified under the provisions of the Minimum Wages Act from time to time.

Contractors shall include every person who undertakes to produce a given result other than a mere supply of goods or articles of manufacture through contract labor or who supplies contract labor for any work and includes a subcontractor.

Wages shall have the same meaning as defined in the Payment of Wages Act.

i) Normally working hours of an adult employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.

When an adult worker is made to work for more than 9 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages.

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a) Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of the Minimum Wages (Central) Rules 1960 as amended from time to time irrespective of whether such worker is governed by the Minimum Wages Act or not.

Where the minimum wages prescribed by the Central/State Government under the Minimum Wages Act are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days.

Where a contractor is permitted by the Engineer-in-Charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.

DISPLAY OF NOTICE REGARDING WAGES ETC.

The contractor shall before he commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work, notices in English and in the local Indian languages spoken by the majority of the workers giving the minimum rates of wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wage are earned, wages periods, dates of payments of wages and other relevant information as per Appendix 'III'.

PAYMENT OF WAGES

The contractor shall fix wage periods in respect of which wages shall be payable.

No wage period shall exceed one month.

The wages of every person employed as contract labor in an establishment or by a contractor where less than one thousand such persons are employed shall be paid before the expiry of seventh day and in other cases before the expiry of tenth day after the last day of the wage period in respect of which the wages are payable.

Where the employment of any worker is terminated by or on behalf of the contractor the wages earned by him shall be paid before the expiry of the second working day from the date on which his employment is terminated.

All payment of wages shall be made on a working day at the work premises and during the working time and on a date notified in advance and in case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day. Wages due to every worker shall be paid to him direct or to other person authorised by him in this behalf.

All wages shall be paid in current coin or currency or in both.

Wages shall be paid without any deductions of any kind except those specified by the Central Government by general or special order in this behalf or permissible under the Payment of

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Wages Act 1956.

A notice showing the wages period and the place and time of disbursement of wages shall be displayed at the place of work and a copy sent by the contractor to the Engineer-in-Charge under acknowledgement.

It shall be the duty of the contractor to ensure the disbursement of wages in the presence of the Senior Superintendent Engg or authorised representative of the Engineer-in-Charge who will be required to be present at the place and time of disbursement of wages by the contractor to workmen.

The contractor shall obtain from Senior Superintendent Engg. or the authorised representative of the Engineer-in-Charge a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage-cum-Muster Roll" as the case may be in the following form:

"Certified that the amount shown in column No. has been paid to the workman concerned in my presence onat....."

FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES

The wages of a worker shall be paid to him without any deduction of any kind except the following:
Fines

Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.

Deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money or any other deduction which he is required to account, where such damage or loss is directly attributable to his neglect or default.

Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register.

Any other deduction which the Central Government may from time to time allow.

No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the Chief Labor Commissioner.

Note: An approved list of Acts and Omissions for which fines can be imposed is enclosed at Appendix-X

No fine shall be imposed on a worker and no deduction for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.

The total amount of fine which may be imposed in any one wage period on a worker shall not exceed an amount equal to three paise in a rupee of the total wages, payable to him in respect of that wage period.

No fine imposed on any worker shall be recovered from him by installment, or after the expiry of

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sixty days from the date on which it was imposed.

Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.

LABOR RECORDS

The contractor shall maintain a Register of persons employed on work on contract in Form XIII of the CL(R&A) Central Rules 1971 (Appendix IV)

The contractor shall maintain a Muster Roll register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971 (Appendix V).

The contractor shall maintain a Wage Register in respect of all workmen employed by him on the work under contract in Form XVII of the CL (R&A) Rules 1971 (Appendix VI)

(iv) **Register of accident** - The contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars :

Full particulars of the laborers who met with accident.

Rate of Wages

Sex

Age

Nature of accident and cause of accident

Time and date of accident

Date and time when admitted in Hospital

Date of discharge from the Hospital

Period of treatment and result of treatment

Percentage of loss of earning capacity and disability as assessed by Medical Officer

Claim required to be paid under Workmen's Compensation Act.

Date of payment of compensation

Amount paid with details of the person to whom the same was paid

Authority by whom the compensation was assessed.

Remarks

v) The contractor shall maintain a **Register of Fines** in the Form XII of the CL (R&A) Rules 1971 (Appendix-XI)

The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omissions for which fines can be imposed (Appendix-X)

vi) The contractor shall maintain a **Register of deductions for damage or loss** in Form XX of the CL (R&A) Rules 1971 (Appendix-XII)

The contractor shall maintain a **Register of Advances** in Form XXII of the CL (R&A) Rules 1971 (Appendix-XIII)

The contractor shall maintain a **Register of Overtime** in Form XXIII of the CL (R&A) Rules

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1971(Appendix-XIV)

ATTENDANCE CARD-CUM-WAGE SLIP

The contractor shall issue an **Attendance card-cum-wage** slip to each workman employed by him in the specimen form at (Appendix-VII)

The card shall be valid for each wage period.

The contractor shall mark the attendance of each workman on the card twice each day, once at the commencement of the day and again after the rest interval, before he actually starts work.

The card shall remain in possession of the worker during the wage period under reference.

The contractor shall complete the wage slip portion on the reverse of the card at least a day prior to the disbursement of wages in respect of the wage period under reference.

The contractor shall obtain the signature or thumb impression of the worker on the wage slip at the time of disbursement of wages and retain the card with himself.

EMPLOYMENT CARD

The contractor shall issue an **Employment Card** in Form VIII of the CL (R&A) Central Rules 1971 to each worker within three days of the employment of the worker (Appendix-VIII).

SERVICE CERTIFICATE

On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a **Service certificate** in Form XV of the CL(R&A) Central Rules 1971 (Appendix-IX)

PRESERVATION OF LABOR RECORDS

All records required to be maintained under Regulations Nos. 6 & 7 shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-Charge or Labor Officer or any other officers authorised by the Ministry of Urban Development in this behalf.

POWER OF LABOR OFFICER TO MAKE INVESTIGATIONS OR ENQUIRY

The Labor Officer or any person authorised by Central Government on their behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of Fair Wage Clauses and the Provisions of these Regulations. He shall investigate into any complaint regarding the default made by the contractor or subcontractor in regard to such provision.

REPORT OF LABOR OFFICER

The Labor Officer or other persons authorised as aforesaid shall submit a report of result of his investigation or enquiry to the Engineer-in-Charge concerned indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wages and other dues be paid to the laborers concerned. In case an appeal is made by the contractor under Clause 13 of these regulations, actual payment to laborers will be made by the Engineer-in-Charge after Managing Director has given his decision on such appeal.

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Engineer-in-Charge shall arrange payments to the labor concerned within 45 days from the receipt of the report from the Labor Officer or the Managing Director as the case may be.

APPEAL AGAINST THE DECISION OF LABOR OFFICER

Any person aggrieved by the decision and recommendations of the Labor Officer or other person so authorised may appeal against such decision to the Engineer-in-Charge concerned within 30 days from the date of decision, but subject to such appeal, the decision of the officer shall be final and binding upon the contractor.

PROHIBITION REGARDING REPRESENTATION THROUGH LAWYER

A workman shall be entitled to be represented in any investigation or enquiry under these regulations by :

An officer of a registered trade union of which he is a member.

An officer of a federation of trade unions to which the trade union referred to in Clause is affiliated.

Where the employer is not a member of any registered trade union, by an officer of a registered trade union, connected with the industry in which the worker is employed or by any other workman employed in the industry in which the worker is employed.

An employer shall be entitled to be represented in any investigation or enquiry under these regulations by :

An officer of an association of employers of which he is a member.

An officer of a federation of associations of employers to which association referred to in Clause(a) is affiliated.

Where the employers is not a member of any association of employers, by an officer of association of employer connected with the industry in which the employer is engaged or by any other employer, engaged in the industry in which the employer is engaged.

No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these regulations.

INSPECTION OF BOOKS AND SLIPS

The contractor shall allow inspection of all the prescribed labor records to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labor Officer or any other person, authorised by the Central Government on his behalf .

SUBMISSION OF RETURNS

The contractor shall submit periodical returns as may be specified from time to time.

AMENDMENTS

The Central Government/KIAL may from time to time add to or amend the regulations and on any question as to the application/interpretation or effect of those regulations the decision of the Managing Director concerned shall be final.

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PROFORMA REGISTERS

APPENDIX 'I'

REGISTER OF MATERNITY BENEFITS (CLAUSE 19 F)

Name and address of the Contractor.....

Name and location of the work.....

Name of the employee	Father's/ husband's name	Nature of employment	Period of actual employment	Date on which notice of confinement given
1	2	3	4	5

Date on which maternity leave commenced and ended

	In case of delivery		In case of miscarriage	
Date of delivery/ miscarriage	Commenced	Ended	Commenced	Ended
6	7	8	9	10

Leave pay paid to the employee

<u>In case of delivery</u>		<u>In case of miscarriage</u>		<u>Remarks</u>
Rate of leave pay	Amount paid	Rate of leave pay	Amount paid	
11	12	13	14	15

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**SPECIMEN FORM OF THE REGISTER, REGARDING
MATERNITY BENEFIT ADMISSION TO THE CONTRACTOR'S LABOR IN KANNUR
INTERNATIONAL AIRPORT LTD WORKS**

Name and address of the contractor-----

Name and location of the work-----

- 1 Name of the woman and her husband's name
- 2 Designation
- 3 Date of Appointment
- 4 Date with months and years in which she is employed
- 5 Date of discharge/dismissal, if any
- 6 Date of production of certificates in respect of pregnancy.
- 7 Date on which the woman informs about the expected delivery.
- 8 Date of delivery/miscarriage/death
- 9 Date of production of certificate in respect of delivery/miscarriage.
- 10 Date with the amount of maternity/death benefit paid in advance of expected delivery
- 11 Date with amount of subsequent payment of maternity benefit
- 12 Name of the person nominated by the woman to receive the payment of the maternity benefit after the death.
- 13 If the woman dies, the date of her death, the name of the person to whom maternity benefit amount was paid, the month thereof and the date in the register.
- 14 Signature of the contractor authenticating entries in the register.
- 15 Remarks column for the use of Inspection Officer.

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LABOR BOARD

Name of work-----

Name of Contractor-----

Address of Contractor-----

Name and address of KIAL Division-----

Name of KIAL Labor Officer-----

Address of KIAL Labor Officer-----

Name of KIAL Labor Officer

Sl.No.	Category	Minimum wage Fixed	Actual Wage Paid	Number Present	Remark
--------	----------	-----------------------	---------------------	-------------------	--------

Weekly holiday-----

Wage period-----

Date of payment of wages-----

Working hours -----

Rest interval-----

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APPENDIX 'IV'

Form – XIII (See Rule 75)

Register for Workmen Employed by Contractor

Sl. No.	Name and Surname of Workman	Age and Sex	Father's / Husband's Name	Name and Employment Designation	Permanent home address of Workman (Vill. And	Local Address	Date of commencement of employment	Signature / Thumb impression of the workman	Date of termination of employment	Reasons for termination	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

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APPENDIX 'V'

Form – XVI (See Rule 78 (2) (a))
Muster Roll

Name and address of contractor

Name and address of establishment under which contract is carried on

.....

Name and address of principal Employer

.....For the month of fortnight.....

Sl No. 1	Name of workman 2	Sex 3	Father's / Husband's Name 4	Date 5					Remarks 6
				1	2	3	4	5	

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APPENDIX 'VI'
Form – XVII (See Rule 78 (2) (a))
Register for Wages

Name and address of contractor

Name and address of establishment under which contract is carried on

Name and address of principal Employer.....wages Period For the month
of fortnight.....

[illegible]

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APPENDIX 'VII' (OBVERSE)

Wage Card No. WAGE CARD.....

Name and Address of Contractor.....Date of Issue.....

Name and location of work.....Designation.....

Name of workman.....Month/ Fortnight.....

Rate of Wages.....

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

Moring

Evening

Initial

Received from.....the sum of Rs.....on account of my wages

Signature

The Wages Card is valid for one month from the date of issue

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19 / Form - XIX

APPENDIX 'VII' (REVERSE)

(See rule 78 (2) (b))

Wages Slip

Name and address of contractor.....

Name and Father's /Husband's name of workman.....

Name and location of work.....

For the Week/Fortnight/Month ending.....

No. of days worked.....

No. of units worked in case of piece rate workers.....

Rate of daily wages / piece rate.....

Amount of overtime wages.....

Gross wages payable.....

Deduction, if any.....

Net amount of wages paid.....

Initials of the contractor or his representative

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14 / Form - XIV
(REVERSE)

APPENDIX 'VIII'

(See rule 76)

Employment Card

Name and address of contractor.....

Name and address of establishment under which contract is carried.....

Name of work and location of work.....

Name and address of Principal Employer.....

Name of the workman.....

Sl. No. in the register of workman employed.....

Nature of employment/designation.....

Wage rate (with particulars of unit in case of piece work).....

Wage period.....

Tenure of employment.....

Remark.....

Signature of contractor

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

Form – XV (See Rule 77)

APPENDIX ‘IX’

Service Certificate

Name and address of contractor

Nature and location of work.....

Name and address of workman

Age / Date of birth.....

Identification Marks

Father’s / Husband’s Name

Name and address of establishment under which contract is carried on

.....
Name and address of Principal Employer

S. No.	Total period for which employed		Nature of work done	Rate of wages (with particulars of unit in case of piece rate)	Remarks
	From	To			
1	2	3	4	5	6

Signature

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

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LIST OF ACTS AND OMISSIONS FOR WHICH FINES CAN BE IMPOSED

In accordance with rule 7(v) of the KIAL Contractor's Labor Regulations to be displayed prominently at the site of work both in English and local Language.

Willful insubordination or disobedience, whether alone or in combination with other.

Theft fraud or dishonesty in connection with the contractors beside a business or property of KIAL

Taking or giving bribes or any illegal gratifications

Habitual late attendance.

Drunkenness lighting, riotous or disorderly or indifferent behavior

Habitual negligence.

Smoking near or around the area where combustible or other materials are locked

Habitual Indiscipline

Causing damage to work in the progress or to property of the KIAL or of the contractor.

Sleeping on duty.

Malingering or slowing down work.

Giving of false information regarding name, age, father's name, etc.

Habitual loss of wage cards supplied by the employer's

Unauthorized use of employer's property of manufacturing or making of unauthorized particles at the work place

Bad workmanship in construction and maintenance by skilled workers which is not approved by the Department and for which the contractors are compelled to undertake rectifications.

Making false complaints and/or misleading statements.

Engaging on trade within the premises of the establishments.

Any unauthorized divulgence of business affairs of the employees.

Collection or canvassing for the collection of any money within the premises of an establishment unless authorized by the employer.

Holding meeting inside the premises without previous sanction of the employers.

Threatening or intimidating any workman or employer during the working hours within the premises

Any other matter where the ethics at works place is compromise

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Form – XII (See Rule 78 (2) (d))

APPENDIX ‘XI’

Register of Fines

Name and address of contractor

Name and address of establishment under which contract is carried on

Nature and location of work

Name and address of Principal Employer

Re mar ks	12	
Date on whic h fine realiz ed	11	
Am ount of fine imp osed	10	
Wag e perio d and wage s paya ble	9	
Name of perso n in whos e prese nce empl oyee s	8	
Whet her work man show ed cause again st fine	7	
Date of offenc e	6	
Act / Omissi on for which fine impos ed	5	
Designa tion / Nature of employ ment	4	
Fath er / Hus band s Name	3	
Nam e of Wor kman	2	
SL No.	1	

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Form – XX (See Rule 78 (2) (d))

APPENDIX 'XII'

Register of Deduction for Damage or loss

Name and address of contractor

Name and address of establishment under which contract is carried on

Nature and location of work

Name and address of Principal Employer

[illegible]

Signature & Seal of Tenderer

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Form – XXII (See Rule 78 (2) (d))

APPENDIX ‘XIII’

Register of Advances

Name and address of contractor

Name and address of establishment under which contract is carried on

.....

Nature and location of work

Name and address of principal Employer

Sl. No.	1	
Name of Workman	2	
Father / Husband's Name	3	
Designation / Nature of employment	4	
Wage period and wages payable	5	
Date and amount of advance given	6	
Purpose(s) for which advance given	7	
No. of instalments by which advance to be repaid	8	
Date and amount of each instalment repaid	9	
Date by which last instalment was repaid	10	
Remarks	11	

Signature & Seal of Tenderer

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Form – XXIII (See Rule 78 (2) (e))

APPENDIX ‘XIV’

Register of Overtime

Name and address of contractor

Name and address of establishment under which contract is carried on

.....

Nature and location of work

Name and address of Principal Employer

Sl. No.	1	2	3	4	5	6	7	8	9	10	11	12	Remarks
Name of Workman													
Father / Husband's Name													
Sex													
Designation / Nature of employment													
Date on which overtime work was done													
Total overtime worked or production in case of piece rate													
Normal rate of wages													
Overtime rate of wages													
Overtime earning													
Rate on which overtime paid													
Remarks													

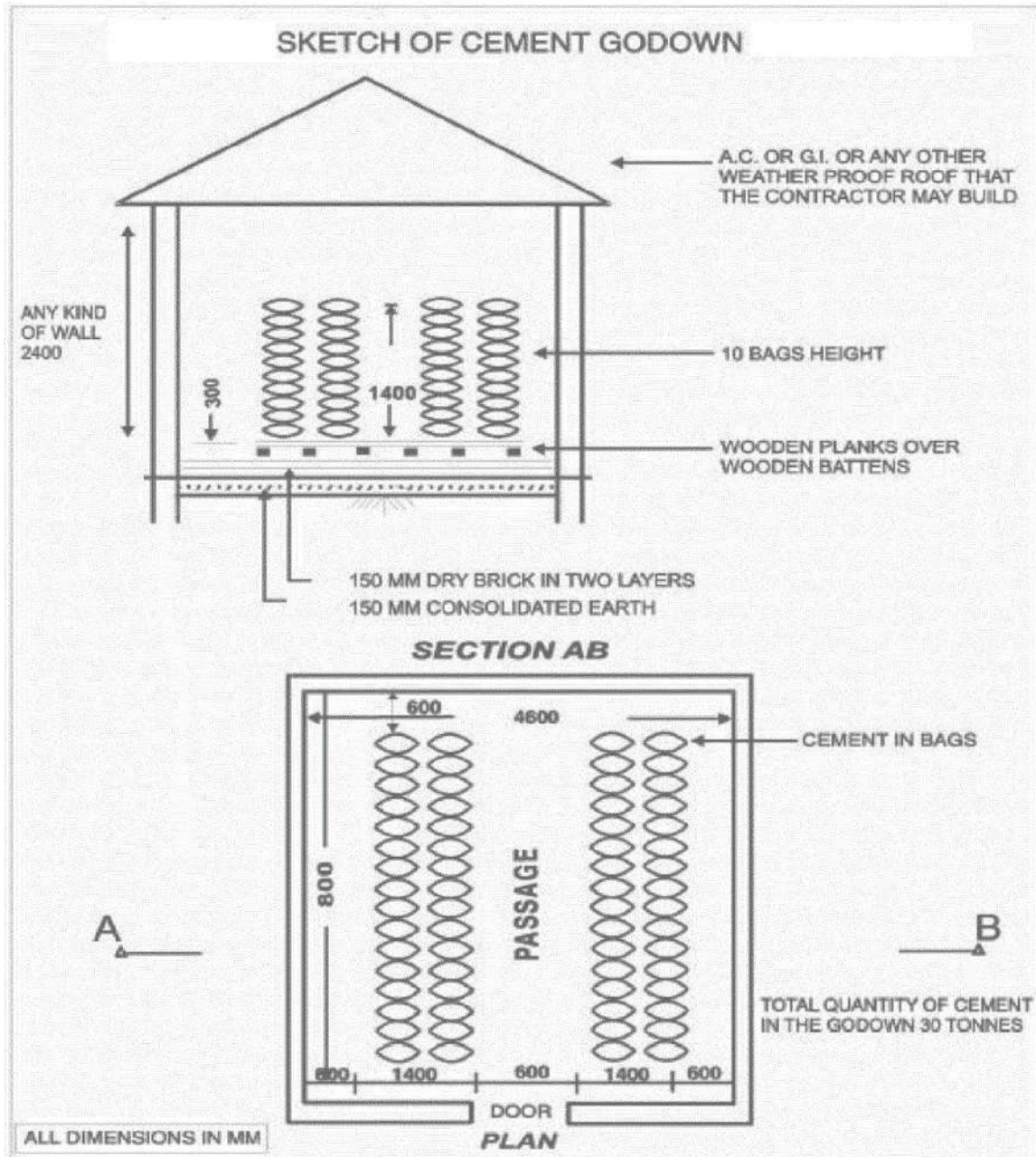
Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

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APPENDIX 'XV'



VI'

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

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PROFORMA FOR QUALITY TESTS

Sl. No.	1	2	3	4	5	6	7	8	No. Of Tests Actually Done
Item									
Quantities as per Agreement									
Frequency as per Specification									
No. Of Tests Required									
Up to Date Quantity									
No. Of Tests Required									
No. Of Tests Actually Done									

Signature & Seal of Tenderer

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FORM OF PERFORMANCE SECURITY (GUARANTEE)**Bank Guarantee Bond**

In consideration of Kannur International Airport Limited (hereinafter called 'KIAL') duly represented by its Managing Director, having offered to accept the terms and conditions of the proposed agreement between

and[hereinafter called the said Contractor(s)] for the work.....(herein after "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We..... (indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to KIAL an amount not exceeding Rs.....(Rupees.....only) on demand by KIAL.

We.....(Indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from KIAL stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only).

We, the said Bank, further undertake to pay to KIAL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under his bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

We.....(Indicate the name of the 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 agreement and that it shall continue to be enforceable till all the dues of KIAL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of KIAL certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

We.....(indicate the name of the bank) further agree with KIAL that KIAL shall have the fullest liberty without our consent and without effecting in any

Signature & Seal of Tenderer**Kannur International Airport Limited**
CIN: U63033KL2009SGC025103Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

manner our obligations hereunder to vary any of terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by KIAL against in the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relived from our liability by reason of any such variation, or extensions being granted to the said contractor(s) or for any forbearance, act of omission on the part of KIAL or any Indulgence by the KIAL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

We.....(Indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of KIAL in writing.

This guarantee shall be valid upto..... unless extended on demand by KIAL. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees.....only) and unless a claim in writing is lodged within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

In presence of:

Dated this _____ Day of _____

WITNESS

1

For and on behalf of (The Bank)

2

Signature _____

Name & Designation _____

Authorisation No. _____

Name & Place _____

Bank's Seal _____

The above Guarantee is accepted by Kannur International Airport Ltd.

For and on behalf of Kannur International Airport Ltd.

Signature _____

Name _____

Designation _____ Dated _____

Note: * Date of validity should be schedule date of completion + 180 days

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
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PROFORMA OF SCHEDULES

SCHEDULE 'A' Before quoting rates in “Items” Section in financial bid, the bidders are advised to read the full description of respective items & unit of Schedule of Quantities in conjunction with the short description of items & unit.

SCHEDULE 'B'

Schedule of materials to be issued to the contractor – Not Applicable.

SCHEDULE 'C'

Tools and plants to be hired to the contractor – Not Applicable

SCHEDULE 'D'

Extra schedule for specific requirements/ document for the works if any -NA

SCHEDULE 'E'

Schedule of component of, other Materials, Labor etc. for price escalation -NA

CLAUSE 10 CC

Component of civil (except cement, steel reinforcement bars, steel structural and bitumen)
/Electrical construction Material – expressed as percent of total value of work.
Xm.....75.....%

Component of labor – expressed as percent of total value of work. Y.....25.....%
Component of P.O.L – expressed as percent of total value of work. Z.....Nil.....%

SCHEDULE 'F'

Name of work: “Airside Maintenance works for civil, electrical, IT/ELV & other miscellaneous works at Kannur International Airport for the year 2023-2025”

Proposed Site: Kannur International Airport

Estimated cost of work: Rs 1, 50, 00, 000/-

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport, Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero, www.kannurairport.aero

Earnest Money	Rs. 50,000 /-(Valid for minimum 150 days from the date of receipt of tender)
Performance Guarantee	5% of contract value
Security Deposit	Deduction from each running bill / final bill of the contractors @ 5% of gross amount of contract

General Rules & Direction:

Officer Inviting tender	Managing Director, KIAL
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3	See below

Definitions

2 (V) Office Inviting tender	Office of Managing Director, KIAL
2 (Vii) Accepting Authority	KIAL BOARD
2(x) Percentage on cost of materials and labor to cover all overheads and profits	15%
2(Xi) Standard of Schedule of Rates	C.P.W.D. DSR 2021 & Market rate
2(Xii) Department	KIAL
9(ii) Standard KIAL contract form	D.E form 7/8 as modified & corrected upto April 2023

Clause 1

Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	30 days
Maximum allowable extension beyond the period (provided in (i) above	60 Days

Clause 2

Authority for fixing compensation under clause 2	MD, KIAL
Authority competent to decide lesser compensation	KIAL BOARD

Clause 2A

Whether clause 2A shall applicable	No
------------------------------------	----

Signature & Seal of Tenderer**Kannur International Airport Limited**
CIN: U63033KL2009SGC025103Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

Clause 5

Number of day from the date of issue of letter

Acceptance for reckoning date of start

10 days

ile stone(s) as per table given below:-

Table of Mile Stone(s)

Sl. No.	Description of Milestones (Physical)	Time Allowed, in days (from date of start)	Amount to be withheld in case of non-achievement of milestone.
1.			
2.	As per clause no. 5 of GCC and special condition of contract.		
3.			
4.			
5.			
6.			

Time allowed for execution of work

24 Months which can be extended for another period of 6 months

Clause 6, 6A

Clause applicable - (6 or 6A)

6A

Clause 7

Gross work to be done together with net payment/adjustment of advances

For material collected, if any since the last such payment for being eligible to

Interim payment

Monthly

Clause 10A

List of testing equipment to be provided by the contractor at site lab

Nil

Clause 10 B (ii)

Whether clause 10 B(ii) shall be applicable

No

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Clause 10 CA

Materials covered under this clause	Nearest Material for which All India Wholesale Price Index is to be followed	Base Price of all Material covered under clause 10CA
Cement (OPC 43 Grade)	Cement	1. DG (works) CPWD or concerned zonal Chief Engineer of CPWD
TMT (Fe 500 D/Fe500) steel bar	TMT Bar	2. -do-
MS structural steel	Structural Steel	3. -do-

Clause 10 CC

Clause 10CC to be applicable in contracts with stipulated period of Completion exceeding the period show in text column

NA

Clause 11

Specifications to be followed for execution of work

CPWD, IRC, MORTH (Updated revision)

Clause 12

12.2 & 12.3 Deviation limit beyond which clauses 12.2 & 12.3 shall apply Not Applicable

12.5 Deviation limit beyond which clauses

12.2 & 12.3 shall apply for foundation work

No quantity limit but subject to a deviation of +50% of the awarded value of the work

Clause 16

Competent Authority for deciding reduced rates

As per the decision of Managing Director

Clause 18

List of Mandatory machinery, tools and plants to be deployed by the contractor at site:

1.Steel tape 30meter, 15Meter and 5 meter - 1 no each

2.Grass Cutter/Weed Cutter

3 Wheel Barrow

4 Pressure Jet Washer

5 Equipment such as Showel, Spade etc.

Clause 36 (i)

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

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E-mail: info@kannurairport.aero , www.kannurairport.aero

Sl.No	Minimum qualification of technical representative	Discipline	Designation Principal Technical/ Technical representative	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1	B.Tech/Diploma	Civil Engineering	Site Engineer – Civil (Principal Technical Representative)	(Diploma +3 Years/ B.Tech +1 year) relevant experience in civil works and billing	1	25000/-	Twenty Five Thousand Only
2	Diploma/ITI	Civil	Supervisor	(ITI + 2 Years / Diploma +1 Years) relevant experience in civil works and billing	1	15000/-	Fifteen Thousand Only

Clause 42

Schedule/statement for determining theoretical quantity of cement & bitumen on the bases of Delhi Schedule of Rates 2018 printed by C.P.W.D

(ii) Variations permissible on theoretical quantities

(a) Cement for works with estimated cost put to tender not more than Rs.5 lakhs 3% plus/minus

for works with estimated cost put to tender more than Rs.5 lakhs 2% plus/minus

(b) Bitumen for all works 2.5% plus only & nil on minus side

(c) Steel Reinforcement and structural steel Section for each diameter, section and category 2% plus/minus

(d) All other materials Nil

Signature & Seal of Tenderer

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E-mail: info@kannurairport.aero , www.kannurairport.aero

ACCEPTANCE LETTER
(To be duly signed, submitted in cover-1)

To
Managing Director
Kannur International Airport,
Kerala – 695 024
Sir,

ACCEPTANCE OF KIAL'S TENDER CONDITIONS

1. The tender documents for the work “Airside maintenance works for civil, electrical, IT & other miscellaneous works at Kannur International Airport for the year 2023-2025” have been sold to me/us by Kannur International Airport Ltd and I/we hereby certify that I/we have inspected the site and read the entire terms and conditions of the tender documents made available to me/us in the office of Managing Director, Kannur International Airport Ltd, Kerala – 670 708. Which shall form part of the contract agreement and I/We shall abide by the conditions/clauses contained therein.
2. I/We hereby unconditionally accept the tender conditions of KIAL's tender documents in its entirety for the above work.
3. The contents of Tender of the Tender Documents have been noted wherein it is clarified that after unconditionally accepting the tender conditions in its entirety, it is not permissible to submit any additional document or put any remark(s)/ conditions(s) (except unconditional rebate on quoted rates if any) in/ along with the Tender Document and the same has been followed in the present case. In case, this provisions of the tender if found violated after opening of tender, I/We agree that the tender shall be rejected and KIAL shall without prejudice to any other right or remedy be at liberty to forfeit the **earnest money**.
4. 'That, I/We declare that I/We have not paid and will not pay any bribe to any officer of KIAL for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of KIAL asks for bribe/gratification, I will immediately report it to the Appropriate Authority in KIAL'.
5. The required earnest money as specified in for this work has also been submitted and is attached herewith.

Yours Faithfully

Date:

(Signature of the tenderer)

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

**FORM OF BANK GUARANTEE IN LIEU OF SECURITY DEPOSIT & AMOUNT
WITHHELD AGAINST COMPENSATION FOR DELAY IN INDIVIDUAL CONTRACT**

(On Non-Judicial Stamp Paper)

[Refer clause no. 1 (A) & 2(B) of GCC]

To

The Kannur International Airport Limited

1. In consideration of the Kannur International Airport Limited having its Registered office at 'Kannur International Airport Limited ,Kannur International Airport (PO) Pin -670708 , Mattannur ,Kannur (hereinafter called "KIAL" which expression shall unless repugnant to the subject or context include its administrators, successors and assigns) having agreed under the terms and conditions of Contract Agreement No. _____ dated _____ made between _____ (hereinafter called " the Contractor") and KIAL in connection with the work of _____ (hereinafter called "the Contract"), to accept the Deed of Guarantee as herein provided' for Rs. _____ (Rupees _____ only) from a Nationalized/Scheduled Bank in lieu of the Security deposit to be made by the contractor or in lieu of the amount withheld towards compensation for delay pending final extension of time to be made from the contractor's bills, for the due fulfillment by the Contractor of the term and conditions contained in the Contract. We, the _____ bank (hereinafter referred to as "the Bank" and having its registered office at _____ do hereby undertake and agree to indemnify and keep indemnified KIAL from time to time to the extent of Rs. _____ (Rupees _____ only) against any loss or damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by KIAL by reason of any breach or breaches by the Contractor of any of the terms and conditions contained in the contract and to unconditionally pay the amount claimed by KIAL on demand and without demur to the extent aforesaid.

2. We, the Bank, further agree that KIAL shall be the sole judge of and as to whether the said Contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by KIAL on account thereof and the decision of KIAL that the Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by KIAL from time to time shall be final and binding on us.

Signature & Seal of Tenderer

**Kannur International Airport Limited
CIN: U63033KL2009SGC025103**

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E-mail: info@kannurairport.aero , www.kannurairport.aero

3. We, the 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 Contracts and till all the dues of KIAL under the said Contract or by virtue of any of the terms and conditions governing the said Contract including compensation for delay if any as decided by KIAL, have been fully paid and its claims satisfied or discharged and till KIAL certifies that the terms and conditions of the Contract have been fully and properly carried out by the Contractor and accordingly discharges this guarantee subject, however that KIAL shall have no claim under this Guarantee after 90 (Ninety) days from the date of expiry of the guarantee period or final / extension of time granted by KIAL as provided available in the agreement Clause no.5 of GCC, i.e., _____ (date) or from the date of cancellation of the Contract, as the case may be, unless a notice of the claim under this Guarantee has been served on the Bank before the expiry of(Date) in which case the same shall be enforceable against the Bank notwithstanding the fact, that the same is enforced after the expiry of the said period.

4. KIAL shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee or Indemnity from time to time to vary any of the terms and conditions of the contract or to extend time of performance by the said Contractor or to postpone for any time and from time to time any of the powers exercisable by it against the said Contractor and either to enforce or forbear from enforcing any of terms and conditions governing the Contract or securities available to KIAL and the Bank shall not be released from its liability under these presents by any exercise by KIAL of any liberty with reference to the matters aforesaid or by reason of time being given to the said Contractor or any other forbearance, act or omission on the part of KIAL or any indulgence by KIAL to the said Contractor or any other matter or thing whatsoever which under the law relating to sureties would but for this provisions have the effect of so releasing the Bank from its such liability.

5. It shall not be necessary for KIAL to proceed against the Contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank, notwithstanding any security which KIAL may have obtained or obtain from the Contractor at the time when proceedings are taken against the Bank hereunder be outstanding or unrealised.

We, the Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of KIAL in writing and agree that any change in the Constitution of the said Contractor or the said Bank shall not discharge our liability hereunder.

Address of Regional / Controlling branch of the issuing branch of Bank Guarantee is-----

In presence of:

Dated this ____ Day of _____

WITNESS

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

1. For and on behalf of (The Bank)
Signature _____
2. Name & Designation _____

Authorisation No. _____
Name & Place _____

Bank's Seal _____

The above Guarantee is accepted by Kannur International Airport Ltd.

For and on behalf of Kannur International Airport Ltd.

Signature _____

Name _____

Designation _____

Dated _____

Note:

***For Proprietary Concerns**

Shri _____ son of _____ resident of _____ carrying on business under the name and style of _____ at _____ (hereinafter called "the said Contractor" which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives).

For Partnership Concerns

1. Shri _____ son of _____ resident of _____

2. Shri _____ son of _____ resident of _____ carrying on business in co-partnership under the name and style of _____ at _____ (hereinafter collectively called "the said contractor" which expression shall unless the context requires otherwise include each of them and their respective heirs, executors administrators and legal representatives).

For Companies

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000

E-mail: info@kannurairport.aero , www.kannurairport.aero

M/s _____ a Company registered under the Companies Act, 1956 and having its registered office in the State of (Hereinafter called “the said Contractor” which expression shall unless the context requires otherwise include its administrators, successors and assigns).

ANNEXURE –3

FORM OF BANK GUARANTEE TO SECURE A LUMP-SUM ADVANCE

(On Non-Judicial Stamp Paper)

[Refer clause no. 10B of GCC]

To

The Kannur International Airport Limited

1. In consideration of the Kannur International Airport Limited having its Registered office at ‘Kannur International Airport Limited ,Kannur International Airport (PO) Pin -670708 , Mattannur ,Kannur (hereinafter called “KIAL” which expression shall unless repugnant to the subject or context include its administrators, successors and assigns) having agreed under the terms and conditions of Contract Agreement No. _____ dated _____ made between _____ (hereinafter called “ the Contractor”) and KIAL in connection with the work of _____ (hereinafter called “the Contract”), to make at the request of the Contractor a lump-sum advance of Rs. _____ (Rupees _____ only) for utilizing it for the purpose of the Contract on his furnishing a guarantee acceptable for KIAL we, _____ (Name of the Bank)(hereinafter referred to as “the Bank”) and having its registered office atdo hereby guarantee the due recovery by KIAL of the said advance with interest thereon as provided according to the terms and conditions of the Contract. If the Contractor fails to utilize the said advance for the purpose of the Contract and/or the said advance together with interest thereon as aforesaid is not fully recovered by KIAL we, the Bank hereby unconditionally and irrevocably undertake to pay to KIAL on demand and without demur a sum of Rs _____ (Rupees _____ only) for any claim made by KIAL on us for the loss or damage caused to or suffered by KIAL by reason of not being able to recover in full the sum of Rs _____ (Rupees _____ only) with interest, as aforesaid.

2. We, the Bank, further agree that KIAL shall be the sole judge of and as to whether the said Contractor has not utilized the advance or any part thereof for the purpose of the Contract and the extent of loss or damage caused to or suffered by KIAL on account of the advance together with interest not being recovered in full and the decision of KIAL that the Contractor has not utilized the advance or any part thereof for the purpose of the Contract and as to the amount or amounts loss or damage caused to or suffered by KIAL shall be final and binding on us.

3. We, the Bank, further agree that the Guarantee therein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and till the advance with interest has been fully recovered and its claims satisfied or discharged and till the KIAL certifies that the advance with interest has been fully recovered from the Contractor, and

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

Regd Office: Kannur International Airport , Kara Peravoor P.O., Mattannur, Kannur - 670708, Phone: 04902481000
E-mail: info@kannurairport.aero , www.kannurairport.aero

accordingly discharges this guarantee subject, however, that KIAL shall have no claim under this Guarantee after 90 (Ninety) days from the date of completion of the contract, i.e., _____ (date) or from the date of cancellation of the Contract, as the case may be, unless a notice of the claim under this Guarantee has been served on the Bank before the expiry of the said period in which case the same shall be enforceable against the Bank notwithstanding the fact, that the same is enforced after the expiry of the said period.

4. KIAL shall have the fullest liberty without effecting in any way the liability of the Bank under this Guarantee or Indemnity, from time to time to vary any of the terms and conditions of the said Contract or the advance or to extend time of performance by the said Contractor or to postpone for any time and from time to time any of the powers exercisable by it against the said Contractor and either to enforce a forbear from enforcing any of the terms and conditions governing the said Contract or the advance or securities available to KIAL and the said Bank shall not be released from its liability under these presents by any exercise by KIAL of the liberty with reference to the matters aforesaid or by reason of time being given to the Contractor or any other forbearance, act or omission on the part of KIAL or any indulgence by KIAL to the said Contractor or of any other matter or thing whatsoever after I which under the law relating to sureties would but for this provisions have the effect of so releasing the Bank from its such liability.

5. It shall not be necessary for KIAL to proceed against the Contractor before proceeding against the Bank if and the Guarantee herein contained shall be enforceable against the Bank notwithstanding any security which KIAL may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the Bank hereunder be outstanding or unrealised.

We, the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of KIAL in writing and agree that any change in the Constitution of the said Contractor or the said Bank shall not discharge our liability hereunder.

Address of Regional / Controlling branch of the issuing branch of Bank Guarantee is _____

In presence of:

Dated this ____ Day of ____ 20__

WITNESS

1.

For and on behalf of (The Bank)
Signature _____

2.

Name & Designation _____

Signature & Seal of Tenderer

Kannur International Airport Limited
CIN: U63033KL2009SGC025103

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Authorisation No. _____
 Name & Place _____
 Bank's Seal _____

The above Guarantee is accepted by Kannur International Airport Ltd.
 For and on behalf of Kannur International Airport Ltd.

 Signature _____
 Name & Designation _____

Dated _____

Note:

***For Proprietary Concerns**

Shri _____ son of _____ resident of _____ carrying on business under the name and style of _____ at _____ (hereinafter called "the said Contractor" which expression shall unless the context requires otherwise include his heirs, executors, administrators and legal representatives).

For Partnership Concerns

1. Shri _____ son of _____ resident of _____
2. Shri _____ son of _____ resident of _____ carrying on business in co-partnership under the name and style of _____ at _____ (hereinafter collectively called "the said contractor" which expression shall unless the context requires otherwise include each of them and their respective heirs, executors administrators and legal representatives).

For Companies

M/s _____ a Company registered under the Companies Act, 1956 and having its registered office in the State of _____ (Hereinafter called "the said Contractor" which expression shall unless the context requires otherwise include its administrators, successors and assigns).

Signature & Seal of Tenderer

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ANNEXURE -4

FORM OF BANK GUARANTEE AGAINST EARNEST MONEY DEPOSIT

[Refer Clause NIT-12 of the Notice Inviting Tender]

To

.....

Sir,

WHEREAS, contractor(Name of Contractor) (hereinafter called the contractor) has submitted his tender dated(date) for the “Construction of Integrated Terminal, ATC complex including control tower, Administrative Offices including Internal and External Electrical installations , Electrical substation buildings and substation equipment, HVAC System, Plumbing, Fire Alarm, Fire fighting system, CCTV, PA system, Flight Information Display system, Interior Design, internal and External finishing, Building Internal access control system Hydro pneumatic pumping system for the buildings, STP and Rainwater Harvesting System etc” (hereinafter called ‘the Tender’).

KNOW ALL PEOPLE by this presence that we.....(Name of Bank) having our registered office at(hereinafter called ‘The Bank’) are bound unto(Managing Director, Kannur International Airport Limited) (hereinafter called ‘the Owner’) in sum of Rs.(Rs. in words) for which payment well and truly to be made to the said Managing Director, Kannur International Airport Limited the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this Day of20.....

THE CONDITIONS of this obligation are:

Signature & Seal of Tenderer

Kannur International Airport Limited
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If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender.

If the contractor having been notified of the acceptance of his tender by the Owner:

fails or refuses to execute the Form of Agreement in accordance with the instruction to contractor, if required; OR

fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and instructions to contractor; OR

fails or refuses to start the work, in accordance with the provisions of the contract and instructions to contractor; OR

fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Owner up to the above amount upon receipt of his first written demand, without the Owner having to substantiate his demand, provided that in his demand the Owner will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date*..... after the deadline for submission of tender as such deadline is stated in the instructions to contractor or as it may be extended by the Owner, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Bank Guarantee should reach the Bank not later than the above date.

DATE.....

SIGNATURE OF THE BANK
SEAL

WITNESS

(SIGNATURE, NAME AND ADDRESS)

* Date to be worked out on the basis of validity of 6 months from last date of receipt of tender.

Signature & Seal of Tenderer

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**LETTER OF UNDERTAKING FROM THE DEPOSITOR TO BANK TO BE SUBMITTED
ALONG WITH FIXED DEPOSIT / BANK GUARANTEE TO KANNUR INTERNATIONAL
AIRPORT LTD**

(Refer Clause 26 of Notice Inviting Tender)

To,
The Branch Manager
_____ Bank

Subject: My/our Fixed Deposit/Bank Guarantee bearing No. Dated for
Rs. issued in favour of KIAL A/C

Sir,

The Subject Fixed Deposit/Bank Guarantee is obtained from your branch for the purpose of
Security/Earnest Money on account of contract awarded/to be awarded by M/s. KANNUR
INTERNATIONAL AIRPORT to me/us.

I hereby authorize the KIAL in whose favour the deposit is made to encash/close the subject Fixed
Deposit/Bank Guarantee before maturity/on maturity towards adjustment of dues without any
reference/consent/notice from me/our side and the bank is fully discharged by making the payment
to KIAL.

Signature of Depositor

Place :

Date :

Signature & Seal of Tenderer

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SAMPLE MEASUREMENT SHEET - REINFORCEMENT MEASUREMENT

Sign of Contractor

Sign of Engineer-in-Charge

Signature & Seal of Tenderer

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ANNEXURE -7

SAMPLE MEASUREMENT SHEET ENTRY

S.NO.	DESCRIPTION	NO.	NO.	L	B	AREA	H	QTY.

Sign of Contractor

Sign of Engineer-in-
ChargeSign of
Contractor

Signature & Seal of Tenderer

Kannur International Airport Limited**CIN: U63033KL2009SGC025103**

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ANNEXURE -9

SAMPLE MEASUREMENT SHEET ENTRY

S.NO.	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT

Sign of Contractor

Sign of PMC/Engineer-in-
Charge

Signature & Seal of Tenderer

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ANNEXURE -10 A

ABSTARCT OF COST - BILL FORM - I													
Sl.	Description of Items	Unit	Agrmnt	% Dev.	Agmnt	Part	QTY. EXECUTED			AMOUNT OF PAYMENT			Remarks
No.			Qty	per	Rate	Rate	Upto last bill	This bill	Upto date	Upto date	Upto last bill	This bill	

Signature & Seal of Tenderer

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ANNEXURE -10 B

ABSTARCT OF COST - BILL FORM - II

S.No	Description	Up-to date	Upto Last Bill	Sim. Previ
1.	Total value of works actually measured as per Section-1 "Account for work Executed"	248,10,11.00	81,42,561.00	
	Escalation	3,87,953.00	0.00	
2.	Total upto date Secured Advance on security of materials as per Col. 8 Entry of "Accounts of Secured Advance"	140,20,233.30	-26,35,935.00	
3.	Mobilization Advance	74,37,470.00	74,37,470.00	0.00
3a	Recovery of Mobilization Advance	-12,40,526.00	-8,33,401.00	-4,07,125.00
	TOTAL	427,79,715.91	376,80,216.16	50,99,501.00
4.	Deduct amount withhold on account of Clause 20 - pp 4, clause 9 - pp 28 & ammendment 3,5,6)			

Signature & Seal of Tenderer

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	i) @ 10% of gross amount of bill subject to max. of Rs. 10 lakh	10,00,000.00	-10,00,000.00	
	ii) Release of Earnest Money Deposit	1,00,000.00	1,00,000.00	
	iii) Release of Security Deposit against B.G	10,00,000.00	10,00,000.00	
5.	Balance i.e up-to-date payments	428,79,715.91	377,80,216.16	50,99,501.00
6.	Deduct towards recoveries on a/c of			
	a) Income tax @ 2.244% of (A) with	-9,59,978.00	-8,45,545.00	-1,14,433.00
	b) Work Contract Tax @ 2% of (B) on this bill	-7,17,746.00	-5,54,895.00	-1,62,851.00
7.	Interest of (C) @ 12%	-3,48,310.00	-2,52,777.00	-95,533.00
	NET AMOUNT PAYABLE	408,53,681.91	361,26,999.16	47,26,684.00
			Say	47,26,684.00

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PROFORMA FOR MANDATORY TESTS TO BE ATTACHED WITH RUNNING
ACCOUNT BILLS

Contract Agreement No. and date R/A Bill No.

[illegible]

Signature of Engineer-in-Charge

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WORK DIARY

PART - A

1. Name of Work.....
2. Contract Agreement No
3. Date of Acceptance
4. Name and Registered address of Contractor.....
5. Contract Sum and /or percentage on Schedule of Rate.....
6. Period of Contract.....
7. Name and local address of Contractor/ Contractor's Agent
8. Date of First Works order.....
9. Date of handing over the site to contractor
10. Date of Commencement of work
11. Stipulated date of completion of Contract.....
12. Suspension orders showing duration and authority.....
13. Extended date of completion with authority
14. Date of actual completion of work
15. Date of work taken over.....
16. Date of expiry of Maintenance Period

Signature & Seal of Tenderer

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WORK DIARY

PART – B

DAILY RECORD (For each sub work, one work diary to be maintained)

1. Weather

2. Labour engaged by Contractor

Skilled						Unskilled	
Category	No	Category	No	Category	No	Category	No
Concreter		Paviour		Glazier		Mate	
Bricklayer		Tiller		Plumber		Bhisty	
Mason		Painter				Mazdur (man)	
Carpenter		Polisher				Mazdur (women)	
Joiner						Mazdur (boy)	

3. Important materials brought on site with approximate quantities (rejection, if any, to be stated).

Schedule 'B' materials		Contractor's materials		Rejections	
Materials	Quantity	Materials	Quantity	Materials	Quantity

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4. Details of plant, equipment and transport and transport working on site.

	T & P Hired under Schedule 'C'		Contractor's T&P equipment & transport	
T & P	Quantity	Remarks regarding breakdown maintenance etc	Quantity	Remarks regarding breakdown maintenance etc
Road Roller Concrete. Mixer Tar Roller Transport				

5. Brief particulars of work in progress

6. Important stages completed and passed

7. Remarks of Visiting Officer

Dated signature of Engineer-in-charge
or representative

Date of signature of contractor
or his authorized agent

Signature & Seal of Tenderer

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ADDENDUM

Clause 14 Carrying out part work at risk & cost of contractor

If contractor:

- a. At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from the Engineer-in-Charge; or
- b. Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by the Engineer-in-Charge; or
- c. Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by the Engineer-in-Charge. The Engineer-in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to:
 - (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
 - (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.

The Engineer-in-Charge shall determine the amount, if any, is recoverable from the contractor for completion of the part work/ part incomplete work of any item(s) taken out of his hands and execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by Government because of action under this clause shall not exceed 10% of the tendered value of the work.

In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant

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and machinery belonging to the contractor. The certificate of the Engineer-in-Charge as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the department are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor

Any excess expenditure incurred or to be incurred by Government in completing the part work/ part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by Government as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Government in law or per as agreement be recovered from any money due to the contractor or any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, the Engineer-in-Charge shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.

In the event of above course being adopted by the Engineer-in-Charge the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract."

CLAUSE 7 (ii)

Payments in Composite Contracts

In case of composite tenders, running payment for the major/minor component shall be made by Engineer-in-Charge of major/minor discipline directly to the main contractor.

In case main contractor fails to make the payment to the contractor associated by him within 15 days of receipt of each running account payment, then on the written complaint of contractor associated for such component, Engineer in charge shall serve the show cause to the main contractor and if reply of main contractor either not

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received or found unsatisfactory, he may make the payment directly to the contractor associated for such component as per the terms and conditions of the agreement drawn between main contractor and associate contractor fixed by him. Such payment made to the associate contractor shall be recovered by Engineer-in-charge of major or minor component from the next RA/ final bill due to main contractor as the case may be.

CLAUSE 10D

Dismantled Material of KIAL:

The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work etc. as KIAL property and such materials shall be disposed off to the best advantage of KIAL according to the instructions in writing issued by the Engineer-in-charge.

CLAUSE 25

Settlement of Dispute and Arbitration

Except where otherwise is provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instruction here in before mentioned and as to the quality of workmanship of materials used on the work or as to any other question, claim, right, matter or things whatsoever, in any way arising out of or relating to the contract, estimates, instructions, orders or these conditions or otherwise concerning the work or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter.

For any dispute arising out of this Agreement/Contract, only the Courts in Thiruvananthapuram/Kannur shall have jurisdiction to entertain such a dispute. Arbitration clause is not applicable.

Signature & Seal of Tenderer

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INDENTURE FOR SECURED ADVANCES**[Reference Clause 10B (i)]**

(For use in cases in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time.)

This indenture made the _____ day of _____ 20 _____ BETWEEN _____ (hereinafter called the contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) of the one part and The Managing Director, KIAL (hereinafter called the Managing Director which expression shall where the context so admits or implies be deemed to include his successors in office and assigns) of the other part.

Whereas by an agreement dated _____ (hereinafter called the said agreement) the contractor has agreed.

AND WHEREAS the Contractor has applied to the Managing Director that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement of use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labor and other charges) AS WHEREAS The Managing Director has agreed to advance to the Contractor the sum of Rupees _____ on the security of materials the quantities and other particulars of which are detailed in

Accounts of Secured Advances attached to the Running Account Bill for the said works signed by the Contractor on and the Managing Director has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said work. NOW THIS INDENTURE WITNESSTH that in pursuance of the said agreement and in consideration of the sum of Rupees on or before the execution of these presents paid to the Contractor by the Managing Director (the receipt where of the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid the Contractor doth hereby covenant and agree with the Managing Director and declare as follows:-

1. That the said sum of Rupees _____ so advanced by the Managing Director to the Contractor as aforesaid and all or any further sum or sums advances as aforesaid shall be employed by the Contractor in or towards expediting the execution of the said works and or no other purpose whatsoever.
2. That the materials detailed in the said Account of Secured advance which have been offered to and accepted by the Managing Director as security are absolutely the Contractor's own property and free from encumbrances of any kind and the Contractor will not make any application for or

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receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnifies the Managing Director against all claim to nay materials in respect of which an advance has been made to him as aforesaid.

3. That the materials detailed in the said Account of Secured advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the contractor solely in the execution of the said works in accordance with the directions of the Engineer-in-Charge and in the terms of the said agreement.

4. That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and the until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Divisional Officer or any other authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorate in a greater degree than is due to reasonable use and wear thereof the Contractor will forth with replace the same with other materials of like quality or repair and make good the same as required by the Engineer-in-charge.

5. That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him on that behalf.

6. That the advances shall repayable in full when or before the Contractor receives payment from the Managing Director of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of works done than on the occasion of each such payment the Managing Director will be at liberty to make a recovery form the Contractor's bill for such payment by deducting there form the value of the said materials then actually used in the construction and in respects of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.

7. That if the Contractor shall at any time make any default in the performance of observation in any respect of any of the terms and provisions of the said agreement of these presents the total amount of the advance or advance that may still owing to the Managing Director shall immediately on the happening of such default be repayable by the Contractor to the Managing Director together with interest thereon at ___ percent per annum from the date or respective dates of such advance or advance to the date of repayment and with all costs charges damage and expense incurred by the Managing Director in or for the recovery thereof or the enforcement of this security or other

Signature & Seal of Tenderer

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wise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the

Managing Director to repay and pay the same respectively to him accordingly.

8. That the Contractor hereby charges all the said materials with the re payment to the Managing Director of the said sum of Rupees _____ and any further sum or sums advanced as aforesaid and all costs charges, damages and expense payable under these presents Provided Always and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whenever the covenant for payment and repayment herein before contained shall, become enforceable and the money owing shall not be paid in accordance there with the Managing Director may at any time thereafter adopt all or any of following course as he may deem best:-

(a) Size and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provision in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion and the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay same to the Managing Director on demand.

(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Managing Director under these presents and pay over the surplus (if any) to the Contractor.

(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

9. The except in the event of such default on the part of the Contractor as aforesaid interest on the said advance shall not be payable.

10. That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any disputes or difference arising over the construction or effect of these presents the settlement of which has not been herein before expressly provided for the same shall be referred to the KIAL Board whose decision shall be final.

In witness whereof the said _____ and _____ by the order and under the direction of the Managing Director have hereunto set their respective hands the day and year first above written.

Signed, sealed and delivered by _____ Signed by _____ by the order and the said contractor in the present of direction of the Managing Director in the presence of Signature

Signature & Seal of Tenderer

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Signature _____

For and on behalf of Managing Director,

KIAL

Witness Name _____

Address _____

Witness Name _____

Address _____

Signature & Seal of Tenderer

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**"MINIMUM REQUIREMENT OF TECHNICAL REPRESENTATIVE DURING
CONSTRUCTION PERIOD AND MAINTENANCE PERIOD"**

Sl. No	Minimum qualification of technical representative	Discipline	Designation Principal Technical/ Technical representative	Minimum Experience	Number	Rate at which recovery shall be made per month from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures (Rs)	Words
1	B.Tech/Diploma	Civil Engineering	Site Engineer – Civil (Principal Technical Representative)	(Diploma + 3 Years/ B.Tech +1 year) relevant experience in civil works and billing	1	25000/-	Twenty Five Thousand Only
2	Diploma/ITI	Civil	Supervisor	(ITI + 2 Years / Diploma +1 Years) relevant experience in civil works and billing	1	15000/-	Fifteen Thousand Only

***Note**

The Contractor must maintain at all times the above minimum staff and should price accordingly but not limited to the listed resources.

The Contractor must have additional resources available to attend to lengthy breakdowns or breakdowns of a specialized nature.

It shall be the Contractor's responsibility to ensure that all relevant labour and safety legislation is adhered to in scheduling staff.

The Contractor shall schedule staff to complete all Preventive maintenance checks as per civil maintenance SoP and Maintenance Manual as per DCGA/CAR standards and maintaining Preventive Maintenance register, Works Registers. Etc as per the direction of Engineer In charge.

The Tenderer must ensure that sufficient allowance for all these items is made for in his/her pricing in the Activity Schedule.

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GUARANTEE FOR REMOVAL OF DEFECTS
GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS
AFTER COMPLETION IN RESPECT OF SPECIALISED WORKS (WHEREVER
GUARANTEE IS SPECIFIED IN THE SPECIFICATION/SCHEDULE OF QUANTITIES)

The agreement made this -----day of -----20-----between
-----son of -----of -----
-----[hereinafter called the Guarantor on one part] and the Managing Director, KIAL
[hereinafter called the Authority on the other part].

WHEREAS THIS agreement is supplementary to a contract [hereinafter called the Contract]
dated ----- and made between the **GUARANTOR ON ONE PART and the**
Managing Director, KIAL, ON THE OTHER PART. whereby the Contractor, inter-alia
undertook to render the specialised works in the said contract recited
completely ----- (name of specialised work)

AND WHEREAS THE GUARANTOR agrees to give a guarantee to the effect that the said
specialised works will remain defects free for five/seven/ten years from the date of handing over of
the project.

NOW THE GUARANTOR hereby guarantees that the special work undertaken by him
will be completely defects free for minimum life of five/seven/ten years to be reckoned from the
date of handing over of the project.

Provided that the guarantor will not be responsible for defects caused by earthquake or
structural defects or misuse of area or alteration and for such purpose.

- [a] Misuse of area where the specialised work is done shall mean any operation which
will damage the specialised work.
- [b] Alteration shall mean construction of an additional storey or a part of the area or
construction adjoining to existing area whereby specialized work is affected.
- [c] The decision of the Engineer-in-charge with regard to defects shall be final.

During the period of guarantee, the guarantor shall make good all defects to the satisfaction of the
Engineer-in-charge and in any case of any defects being found the Engineer-in-charge will have the
right to make good the same work at the cost of the GUARANTOR. The GUARANTOR shall
commence such rectification within 7 days from the date of issue of the notice from the Engineer-
in-charge calling upon him to rectify the defects, failing which the work shall be got done by the
department by some other contractor at the GUARANTOR's cost and risk. The decision of the
Engineer-in-charge as to the cost, payable by the Guarantor should be final and binding.

Signature & Seal of Tenderer

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The additional bank guarantee given against the performance during guarantee period shall be encashed by KIAL immediately on such failure on the part of contractor.

That if Guarantor fails to execute the specialized work or commits breach there under then the Guarantor will indemnify the Principal and the successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reasons of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement further. As to the amount of loss and /or damage and / or cost incurred by the Government the decision of the Engineer-in-charge will be final and binding on the parties.

The Guarantor further agrees to retain an additional amount equal to 10% of the value of the specialised works in the form of BG for a period after the defects liability period and till the guarantee period of five/seven/ten years.

IN WITNESS WHEREOF these presents have been executed by the Obligator-----
-- and by ----- and for an on behalf of the Managing Director, KIAL on the day, month and year first above written.

SIGNED, SEALED AND delivered by OBLIGATOR in the presence of:-

1.

2.

SIGNED FOR AND ON BEHALF OF MANAGING DIRECTOR, KIAL-----
-IN THE PRESENCE OF:-

1

2

Signature & Seal of Tenderer

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ANNEXURE -16

National Electronic Fund Transfer (NEFT) Mandate Form
(Mandate for receiving payment through NEFT from Kannur International Airport Limited)

1	Vendor Name	
2	Permanent Account Number (PAN)	
3	Particulars of Bank Account	
	● Name of the Bank	
	● Name of the Branch	
	● Branch Code	
	● Address Line1	
	● Address Line2	
	● City	
	● Telephone Number	
	● NEFT/IFSC Code	
	● 9 digit MICR code appearing on the cheque book	
	● Account Number	
4	Vendor's email ID	
5	Effective Date of Bank Account	

(Please enclose a xerox copy of a cancelled cheque book to enable us to verify the details mentioned above and a copy of the PAN card)

We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or lost because of incomplete or incorrect information, we would not hold the company responsible. _____

Signature of the Vendor _____

Bank Certificate

We certify that _____ has Account No _____ with us and we confirm that the details given above are correct as per our records.

Place:

Date:

Authorised Official of Bank
(With Seal)

Signature & Seal of Tenderer

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PROFORMA BANK GUARANTEE FOR CONTRACT PERFORMANCE
 (To be stamped in accordance with Stamp Act)
 (The non-judicial stamp paper (Rs. 500/-), should be in the name of issuing Bank)

To,

The Managing Director
 Kannur International Airport Limited (KIAL)
 Mattannur, Kannur District
 Kerala State - 670 708

Dear Sir,

In Consideration of the Managing Director, Kannur International Airport Ltd., [Hereinafter called "KIAL"] having offered to accept the terms and conditions of the proposed agreement between KIAL, Mattannur, Kannur District, Kerala State - 670 708 and[here in after called "the said contractor(s)"] for the works.....[here-in-after called "the said agreement"] vide order No. Dated, having agreed to production of irrevocable Bank Guarantee for Rs.....Rupees.....) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement. We, (Name of Bank).....having its branch office athereby undertake to pay to the Managing Director, KIAL and amount not exceeding Rs.....(Rupees.....) on demand by KIAL.

1. We,(Name of Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a Demand from KIAL stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....).
2. We, the said bank further undertake to pay to the Managing Director, KIAL any money so demanded any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.
3. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment. We,(Name of Bank) further agree that the guarantee herein contained

Signature & Seal of Tenderer

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shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of KIAL under or by virtue of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

4. We,.....(Name of Bank) further agree with KIAL that KIAL shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by KIAL against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of KIAL or any indulgence by the KIAL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect so relieving us. except with the guarantee shall not be discharges due to the change in the constitution of the Bank or the contractor(s).
5. We,..... (Name of Bank) lastly undertake not to revoke this guarantee the previous consent of KIAL in writing.
6. This guarantee shall be valid up tounless extended on demand by KIAL. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees.....) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended dated of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the(day) of(Month).....(Year)

For.....(Name of Bank)

Signature & Seal of Tenderer

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ANNEXURE-18

UNDERTAKING FOR NOT BEEN BLACKLISTED

(duly filled in the letter head of the tenderer, scanned copy to be submitted in Cover-2)

We do hereby undertake that our firm or its partners or Directors have not been blacklisted or any case is pending or any complaint regarding irregularities is pending, in India or abroad, by any Global International body like World Bank/International Monetary Fund/World Health Organization etc. or any Indian State/Central Governments Departments or Public Sector undertaking of India

Date:

Signature of tenderer with
seal

Signature & Seal of Tenderer

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AFFIDAVIT

(To be submitted on non-judicial stamp paper (Rs. 500/-),
scanned copy to be submitted in Cover-2 :Technical Bid)

1. The undersigned do hereby certify that all the statements made in the attachments are true and correct.
2. The undersigned hereby authorizes and requests any Bank person, Firm or Corporation to furnish pertinent information deemed necessary and requested by KIAL.
3. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of KIAL.
4. The undersigned also hereby certifies that neither our firms/companies have abandoned any work in India nor any contract awarded to us for such work has been rescinded in the past five years.
5. The undersigned also hereby authorizes KIAL and their authorized representative to conduct any enquiries or investigation to verify the statements, documents and information submitted in connection with this application , and to seek clarification from our bankers and clients regarding any financial and technical capability. This will also serve as authorization to KIAL representative to contact in person or otherwise , any individual or authorized representative of any institution referred to in the supporting information and obtain such information as may be required by him to verify statements and information provided in this application, or with regard to the resources, experience and competence of the Applicant.
6. The undersigned understands that furnishing of false information could result in disqualification.

(signed by Authorized signatory of the bidder)

.....
.....
Title of Officer

Name of bidder

.....

Date

Encl: Requisite Power of Attorney

Signature & Seal of Tenderer

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Power of Attorney for signing of Tender documents

(To be submitted on non-judicial stamp paper (Rs. 300))

(duly filled, scanned copy to be submitted in Cover-2 :Technical Bid)

Know all men by these presents, We _____ (name of the Principal/firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./ Ms. (name), _____ son/daughter/wife of _____ and presently residing at _____, who is presently employed with us holding the position of _____, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our bid for "Airside maintenance works for civil, electrical & other miscellaneous works at Kannur International Airport for the year 2023-2025 ", Kerala, India under the Kannur International Airport Limited (the "Authority") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in Pre-Applications and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the Authority. AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, _____, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS _____

DAY OF _____ 20....

For _____

(Signature, name, designation and address)\

Signature & Seal of Tenderer

Kannur International Airport Limited

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Witnesses:

1.

2.

(Notarized)

Accepted

(Signature)

(Name, Title and Address of the Attorney)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- *Wherever required, the Applicant should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Applicant.*
- *For a Power of Attorney executed and issued overseas, the document will also have to be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Applicants from countries that have signed the Hague Legislation Convention 1961 are not required to be legalised by the Indian Embassy if it carries a conforming Appostille certificate.*

Signature & Seal of Tenderer

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ANNEXURE-21

DOCUMENTARY PROOF TOWARDS CARRYING OUT SIMILAR NATURE OF WORKS:
CLIENT LIST

(duly filled, scanned copy of experience certificate from the client to be submitted in Cover-2 :Technical Bid)

SL No.	Client Name & Address	Stipulated Completion Date	Actual completion Date	Completion cost	Order Reference No.	Major scope

**** Note :** We do not have any objection to you in contacting the client and taking their feedback on the supplies effected by us.

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE TENDERER :

OFFICIAL SEAL & DATE :

Signature & Seal of Tenderer

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ANNEXURE-22

TENDER COST& EMD SUBMISSION: Compliance Statement

(This Compliance statement duly filled, along with the scanned copies of the documents to be submitted in Cover-1: Fee)

SL No	DOCUMENTS	“YES “for Complied “NO” for not Complied
01	Online submission of Tender Cost / Fee : Rs. 5900/- (Rupees Five thousand and nine hundred only)	
02	Online submission of EMD (Earnest Money Deposit) : Rs. 50,000/- (Rupees Fifty thousand only)	

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE TENDERER :

OFFICIAL SEAL & Date :

Signature & Seal of Tenderer

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Pre and Technical Bid Qualification Documents : Compliance Statement

(Scanned copy of this Compliance statement, filled in specified Format (Annexure), duly signed shall be submitted in Cover-2, along with copies of relevant documents)

SL No	DOCUMENTS	“YES “for Complied “NO” for not Complied
1.	a).Documentary proof for similar nature of work during the past 7 years as per the eligibility conditions to be submitted in Annexure-21 format along with satisfactory completion certificate from the client.	
2.	Copy of corporate /self PAN card & Proof of Sales Tax Registration& GST Registration	
3.	Documentary evidence of adequate financial standing of a minimum annualized average financial turnover of Rs.45 Lakhs. from sales and services during the last 3 years. The bidder shall submit scanned copies of audited balance sheet and P & L statement for the last three 3 years / Certificate from the auditors.	
4.	Tender Cost & EMD submission compliance Statement: details in (Annexure-22) format.	
5.	Scanned copy of Articles of Memorandum of Association or Partnership Deed or proprietorship deed duly signed and sealed, as the Case may be.	
6.	Brief profile of the Company: Scanned copies of Brochure etc / to be submitted duly signed and sealed.	
7.	Undertaking for not been Black Listed in (Annexure-18) format	
8.	Affidavit in (Annexure-19) format	
9.	Unconditional Acceptance Letter in (Annexure-1) format	
10.	Bank account details in (Annexure-25) format	
11.	Power of attorney for signing of documents and execution of project if applicable / required in (Annexure-20) format	

Signature & Seal of Tenderer

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**** Note:** Ambiguous statements & incomplete supporting documents for vital tender requirements may attract the risk of rejection without further reference.

AUTHORIZED SIGNATURE :

NAME OF THE SIGNATORY :

NAME & ADDRESS OF THE TENDERER :

OFFICIAL SEAL & Date :

Signature & Seal of Tenderer

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FINANCIAL CAPABILITY

(duly filled in scanned copy to be submitted in Cover:2)

1. Name of Applicant

2. Summary of assets and liabilities on the basis of the audited financial statement of the last 3 financial years. Please attach published annual report and audited accounts of the bidder.

Sl. No	Particulars	Year 2020-21	Year 2021-22	Year 2022-23/**
i.	Annual Turnover			
ii.	Gross Profit			
iii.	Net profit before tax			
iv.	Profit after tax			

3. Current working capital arrangements:

a) Own resources

b) Cash, credit limit etc. from the bankers

4. Current annual cash requirements for the ongoing projects

5. Proposed arrangement of funds for the project, in case awarded

a) Own resources

b) Cash, credit limit etc. from the bankers

6. Details of investments having maturity less than 1 year as on 30.04.2023

7. Name and address of bankers

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8. PAN card Details

Signature of the statutory auditor to the bidder

Signature of the bidder / authorized signatory

Note : **The contractor shall submit certificate from the statutory auditor certifying the annual turnover based on the unaudited figures towards the authorized average financial turn over for the year 2022-23

Signature & Seal of Tenderer

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Bank Account Details

(duly filled, scanned copy to be submitted in Cover-2 :Technical Bid)

Name of the supplier / vendor	:
PAN No.	:
Name of the Bank	:
Name of the Branch	:
Complete Address of the Bank	:
A/C of beneficiary	:
Type of account	:
Core Banking Account No.	:
IFSC Code of the Bank	:
SWIFT Code of the bank (as applicable)	:
GST Registration No.	:
TIN No.	:
AUTHORIZED SIGNATURE	
NAME OF THE SIGNATORY	:
NAME & ADDRESS OF THE TENDERER	:
OFFICIAL SEAL & Date	:

Signature & Seal of Tenderer

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SPECIAL CONDITIONS OF CONTRACT

Signature & Seal of Tenderer

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SPECIAL CONDITIONS OF CONTRACT

(GENERAL & CIVIL WORKS)

1. GENERAL

- 1.1 Special conditions of Contract shall be read in conjunction with General Conditions of Contract, Technical Specifications, Drawings and any other documents forming part of this contract wherever the context so requires.
- 1.2 Notwithstanding the sub-division of the documents into these separate sections and volume every part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the CONTRACT so far as it may be practicable to do so.
- 1.3 Where any portion of the General Condition of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, unless a different intention appears, the provisions of the Special Conditions of Contract shall be deemed to over-ride the provisions of the General Conditions of Contract and shall to the extent of such repugnancy, or variations, prevail.
- 1.4 The work in general shall be carried out as per the nomenclature of the individual item in the bill of quantities or in the technical specifications. For items of works, not covered above, the same shall be carried out as per CPWD specifications and standards, amended up-to-date with all correction slips.
- 1.5 For any other item of work, not covered in the above para the same shall be done as per latest relevant ISI codes of Practice/National Building Code in that order.
- 1.6 For any items of work not covered in the above paras, the same shall be done as per sound engineering practice as directed/approved by Engineer-in-Charge.

2. COMPLETION SCHEDULE

- 2.1 The works shall be executed strictly as per time schedule mentioned in GCC as well as intimated from time to time for each work so identified. Contractor shall have to plan his construction program and activities so as to complete the work in the stipulated period. The period of completion given includes the time required for mobilization as well as testing, rectifications, if any, re-testing and completion in all respects to the entire satisfaction of Engineer-in-Charge.
- 2.2 The contractor shall furnish within 15 days of sub work allotment, the mile stone and critical path for completion of work within the stipulated time and as per conditions of the contract. The program should clearly include Manpower, Material and Machinery resources proposed to be deployed for achieving the targeted progress, justification for same based on machinery output, the date from which each machinery shall be available at site in working condition etc. complete. The

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program shall be subject to the approval of engineer-in-Charge who may order changes in the program. The decision of Engineer-in-Charge shall be final and binding in this regard.

- 2.3 Contractor is expected to mobilize and employ sufficient resources as indicated in the agreed programme to achieve the progress within the broad frame work of accepted methods of working and safety. In time and progress chart, deployment of machineries, equipments, apparatus and instruments are to be treated as one of the sections of the work.
- 2.4 No additional payment shall be made to the contractor for any multiple shift work or other incentive methods contemplated by him in his work schedule even though the time schedule is approved by the Engineer-in-Charge.
- 2.5 During the course of the work the contractor is expected to adhere to the time schedule on mile stone and total completion and this adherence will be a part of Contractor's performance under the contract.

2.6 FOR MONITORING OF PROJECT

- 2.6.1 The agency shall submit month/week wise details of manpower and machinery to be deployed in project along with material procurement schedule for completion of work with in stipulated period based on program networking. The progress will be reviewed monthly/weekly with respect to the program/Net Work chart submitted by agency. Three copies of proposed network chart showing activities completed and backlog if any, should be submitted to the Engineer-in-Charge on monthly/weekly basis. The revised CPM chart with additional manpower/machinery/ labor deployment scheduled should also be submitted in case regular backlog is observed and revised program is essential to complete the work with in stipulated period.
- 2.6.2 The approval to the revised schedule resulting in a completion date beyond the stipulated date of completion shall not automatically amount to grant of extension of time to the Contractor.
- 2.6.3 Contractor shall submit monthly/weekly progress reports (3 copies) highlighting status of various activities and physical completion of work.
- 2.6.4 The monthly/weekly report shall also include photos, procurement status, financial status and any other details as required by the Engineer-in-Charge
- 2.7 Contractor shall give every day report on all subwork assigned category wise labor and equipment deployed along with the progress of work done on previous day in the proforma prescribed by the Engineer-in-Charge.
- 2.8 An order book of work shall be maintained and the Contractor shall acknowledge the orders given by the Engineer-in-charge and shall carry them out accordingly.

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3. SCOPE OF WORK

3.1 General:

The scope of the work includes the following.

Airside Maintenance works for civil, electrical, Landscaping, IT & other miscellaneous works at Kannur International Airport for 2023 to 2025, The location sketch shall be provided along with the sub work assigned time to time.

These scope shall cover all types of works either original or maintenance works pertains to civil, electrical, fire, HVAC, ELV etc.

The specific works shall be identified only on demand from stakeholders of Airport from time to time. The contractor is expected to execute any item specified in the SOQ for civil, electrical and ELV/IT. Any items other than those mentioned in the schedule can also be ordered to execute as extra items.

4. DRAWINGS AND DOCUMENTS

4.1 The drawings accompanying the tender document are of indicative nature and issued for tendering purpose only and with the purpose to enable the tenderer to make an offer in line with the requirements of KIAL.

4.2 However, no extra claim whatsoever, shall be entertained for variation in the "Issued for construction" and "tender drawings" regarding any changes. The execution of work shall be as per approved drawings and detailed specifications, which will be given time to time during the contract period.

5. SCHEDULE OF QUANTITIES

5.1 The schedule of quantities shall be read in conjunction with general conditions of contract, special conditions of contract, technical specifications, drawings and any other document forming a part of this tender.

5.2 The Contractor shall particularly note that the tender rates of the various items shall be inclusive of all incidental charges, such as bailing, shoring, bunding, barricading and lighting, etc. if found necessary during execution and no extra shall be due therefore on any account to the Contractor.

6. EXTRA ITEMS AND SUPPLY OF LABOURS

6.1 Kannur Airport has full power to order the contractor for execution of items (extra items) which are not included in the DSR 2021 and in the BoQ and for supply of labour as and when required as per the operational/ maintenance requirement of Kannur Airport.

The payment to the extra items and labour supply if any will be made as per the clause 12.2 of GCC which will be inclusive of 15% contractor's profit and overheads. If the extra item of work to be carried out in the terminal building, ATC complex, airside where labour entry passes are required, the rate for such items will be enhanced further by 5% for operational hindrances.

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- 6.2 For supply of labor, such as skilled labours, unskilled labors, semi-skilled labors etc. The rate which is to be paid to contractor will be the prevailing rates published by the Kerala PWD at the time of supply of labours. Such rates will be enhanced by 15% for CP and OH and nothing extra shall be paid on any account. The contractor has to arrange and supply labours as and when required, as per the instruction of Engineer In Charge as per the notice period as given below;
1. Number of labours upto 10, the notice period will be 24 Hours.
 2. For more than 10 labours the notice period will be 3 days.

If the contractor fails to supply the labour, within the above period, an amount of Rs 100/day of delay will be deducted from the contractor's bill and work shall be done directly at the risk and cost of the contractor.

7. TEMPORARY WORKS

- 7.1 The tenderer should see the approaches and conditions of the same if any approach from main road is required at site or existing approach is to be made and maintained for cartage of materials etc. by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.
- 7.2 All temporary and ancillary works including enabling works connected with the work shall be responsibility of the contractor and the price quoted by them shall be deemed to have included the cost of such works which shall be removed by the contractor at his cost, immediately after completion of the work.
- 7.3 The site for the proposed work mentioned in Schedule F in GCC shall be handed over to the contractor. All the salvageable materials received after demolitions are to be stacked properly and handed over to Engineer-in-Charge. These dismantled materials shall be the property of the KIAL.
- 7.4 Site to the contractor shall be made available in phases and contractor shall be liable to dismantle / relocate any of the structures fouling with the proposed site as per instruction by the Engineer-in-Charge.

8. PAYMENTS

- 8.1 The bill shall be submitted at intervals as provided at clause no. 7(i) and in Schedule-F on or before the date fixed by the Engineer-in-charge for all the works executed since previous bill in accordance with provision of clause 7(i) of GCC the contractor shall submit all the bills on the Performa prescribed by the Engineer-in-Charge, preferably through computerized billing in triplicate.
- 8.2 The payment due to the contractor shall be made within 30 days of the submission of the bill by the contractor and the measurements shall be verified by the Engineer-in-Charge or his representative within 15 days of submission of the bill.
- 8.3 The bill shall not be entertained if the gross amount of the work done including secured advance payable is less than Rs. 5 lakhs except first three bills and final bill.

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- 8.4 For any sub work ,no part/ Interim payment will be made and only final bill be paid. However, in case the subwork is costing more than Rs. 10 Lakhs part payment will be allowed.
- 8.5 The SD Collected from the First Year RA Bills shall be released after successful completion of 15 Months on request of the contractor.

9. INCOME TAX , LABOUR CESS AND GST

- 9.1 Income tax deductions shall be made from all payments made to the contractor as per the rules and regulations in force in accordance with the income tax act prevailing from time to time.
- 9.2 Labour cess as per rules and regulations in force shall be deducted from the bills of the contractors and deposited with designated authorities.
- 9.3 GST shall be deducted at source as per the latest guidelines.

10. WATER

- 10.1 Contractor shall make his own arrangements for water supply for the work and his staff and workmen. No amount shall be payable by KIAL on this account.

11. POWER SUPPLY

- 11.1 KIAL will provide temporary Electric power to the contractor, if found feasible on payment basis. Otherwise the contractor shall make his own arrangements for temporary connections required if any and make necessary payments to the Departments concerned. No amount shall be payable by KIAL on this account.

12. CONTRACT AGREEMENT

- 12.1 The contract agreement shall be executed on a non-judicial stamp paper of value Rs.200/- and cost of the stamp paper shall be borne by the contractor.
- 12.2 Contractor's tender including the letters of clarifications between the contractor and the KIAL prior to the award of contract shall form a part of the contract agreement to the extent they have been accepted by KIAL.

13. CONSTRUCTION EQUIPMENT

- 13.1 The contractor shall without prejudice to his overall responsibility to execute and complete the work as per specifications and time schedule deploy adequate equipments and tools and tackles and augment the same as decided by the engineer-in-charge depending on the exigencies of the work so as to suit the construction schedule. The list given in GCC is only indicative minimum number and for mobilization of additional equipment, to meet the time schedule. Nothing extra will be paid by KIAL.

13.2 EQUIPMENTS FOR NIGHT WORKING:

In case, it appears, at any stage that the project may not be completed within the stipulated period due to restricted working hours in the day in view of operational reasons, the contractor shall execute the work during the night as and when asked by the Engineer-in-Charge in writing.

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Nothing extra shall be payable to contractor for working in night time. For proper execution, the work site shall be properly illuminated and the required arrangement shall be made by the contractor at his own expenses.

13.3 No Construction equipment shall be supplied by KIAL.

14. SITE ORGANISATION

14.1 Subject to the provisions in the tender document and without prejudice to contractors' liabilities and responsibilities to provide adequate qualified and skilled personnel on the work. Contractor shall deploy site organization and augment the same as decided by the Engineer-In-Charge depending on the exigencies of work. No engineering personnel deployed at site shall be removed from the site without prior approval of the Engineer-in-charge. The list attached with the GCC is only indicative minimum number and for mobilization of additional manpower, to meet the time schedule. Nothing extra will be paid by KIAL.

15. MAINTAINING RECORDS FOR T&P

To Maintain and record of the T&P received & the dates when it has been received at site also to keep track of the receipt of the material at site, work men / staff deployed works diary shall be maintained jointly by the Engineer-in-charge and the agency to maintain a daily record of these activities to form basis of any analysis of this kind or in case any dispute occurs at a later date.

The works diary shall be got printed by the contractor and also pages shall be machine numbered. The Performa for the same is given as Annexure – 5 in GCC. Additional sheets should also enclose with each page so as to furnish any additional information. Work diary shall be signed by the contractor/ Engineering Representative on daily basis by presenting himself in the site office of Engineer-in-charge. Failure to do so render agency liable to pay penalty @ Rs. 250/- per day for each day of such lapses. In case of failure to do so the details as filled up by KIAL representative shall be treated as final.

An abstract of such information shall also be furnished by the contractor along with the progress report, giving information of such deployment, date etc. Failure to submit the monthly progress report by contractor shall render agency liable to pay a penalty @ Rs. 5,000/- for each occurrence.

16. CLOSING DAY'S WORK

16.1 After the closure of day's work, all equipment and stock piled materials must be so placed that after darkness their tops are below a fifty to one ratio from the ends of the basic strips of the runway and twenty to one from sides of useable aircraft traffic areas and must be marked with red flags by day and red lights by night to indicate that they project above the general contour of the aerodrome.

16.2 Work shall be closed at 2 hrs. notice for VVIP movement and also other exigencies, if directed by the engineer-in-charge. No compensation shall be entertained on this account from the contractor.

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17. INSPECTION OF SITE AND TESTING

- 17.1 The Engineer-in-Charge or his authorized representative shall have full power to inspect any portion of the work, examine the materials and workmanship at the contractors' works or at any other place from where the material is obtained. Acceptance of any material shall in no way relieve the contractor of his responsibility for meeting the requirement of the specifications.
- 17.2 Routine type tests for the various items of material shall be performed at the contractor's works and test certificates furnished. The contractor shall permit the Engineer-in-Charge or his authorized representative to be present during any of or all the tests. After notification to the Engineer-in-Charge that the work has been completed, the contractor shall make under the direction and in the presence of Engineer-in-Charge such tests and inspections as have been specified or as the Engineer-in-Charge shall consider necessary to determine whether or not the full intent of requirements of the plans and specifications have been fulfilled. In case the work does not meet the full intent of the specifications it shall be rectified by the Contractor at no extra cost and the contractor shall bear all the expenses for any further tests considered necessary.
- 17.3 All tools, instruments, plants and labour/operating personnel for the test shall be provided by the contractor at his own cost. The testing facilities should be sufficient to do various routine test of works and as approved by Engineer-in-Charge.

18. STORES AND MATERIALS

All storage arrangement is to be done by the agency at their own cost. However, one store room cum site office shall be provided by KIAL at a lump sum rate of Rs.1000/month.

19. STANDARD OF WORKMANSHIP

- 19.1 To determine the acceptable standard of workmanship, the contractor shall execute portion of the item of work as sample for approval of the engineer-in-charge, before taking up the actual execution of the particular item of work.

20. BYE-LAWS

- 20.1 The contractor shall comply with all bye-laws and regulations of local and statutory authorities having jurisdiction over the works and shall be responsible for payment of all fees and other charges and for giving and receiving of all necessary notices and keeping the engineer-in-charge, informed of the said compliance with the bye-laws, payments made, notices issued and received.
- 20.2 The contractor shall indemnify the KIAL against all claims in respect of patent rights, design, trade marks of name or other protected rights in respect of any plant, machine, work or materials used for or in connection with the work or temporary works and from and against all claims, demands proceedings, cost, charges and expenses whatsoever in respect of or in relation thereto. the contractor shall defend all actions arising from such claims and shall

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himself pay all royalties license fees, damages, costs and charges of all and every sort that may be legally incurred in respect thereto.

20.3 The agreement including all matters with this contract, shall be governed by the Laws of India for the time being in force and shall be subjected to exclusive jurisdiction of Thiruvananthapuram/ Kannur for any dispute arising out of this agreement.

20.4 Reimbursement for the cost of fuel will be applicable to the vehicle provided incase the fuel cost during the contract exceeds more than 10% over the fuel cost by the agency as on 15-10-2023 .The excess over 10 % Increase only shall be reimbursed.

20.5 The monthly average Km provided by vehicle will be reviewed in every six months. If there is any excess in overall Kms (i.e the Kms above the tendered Kms of 1500 Kms/month), the extra fuel charge shall also will be reimbursed. The fuel consumption shall be worked out @10 km/L of Fuel.The fuel charge per litre will be average of every six months.

21. SITE PRECAUTIONS

21.1 Any materials or T & P etc. found lying outside the sites approved by the Engineer-in-Charge shall be removed by the Engineer-in-Charge at the risk and cost of the contractor.

21.2 When the contractor's equipment or personnel require crossing areas which are not close to aircraft operations, the contractor shall provide competent flagmen at locations designated by the Engineer-in-Charge to relay signals from airport traffic control to personnel wishing to cross such areas.

21.3 With regard to construction safety measures, the contractor shall adhere to various Indian Standard Codes of Practice, requirements of Provincial Government and local Municipal Authority wherever the provisions of the latter two agencies shall be more stringent than the provisions of the former. When these codes do not exist, the contractor shall adhere to such safety measures as directed by the Engineer-in-Charge.

21.4 The contractor shall, during construction, provide barricades at his own cost as per specifications prescribed by the Engineer-in-Charge to segregate the working area to ensure safety of all concerned. The type of barricade is to be chain link fencing with proper support or as approved by Engineer-in-Charge.

21.5 The contractor shall be responsible for any damage, resulting from his operations, either to buildings, structures, airport fixtures such as underground cable, contact lights, hard surface areas, water mains, other operational installations, Airport roads etc. The contractor shall restore, replace

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or repair any such damage to the complete satisfaction of the Engineer-in-Charge and in default the Engineer-in-Charge may cause the same to be made good by any other means and deduct the expenses from any sums due to contractor.

22. The contractor shall take all precautions to avoid all accidents by exhibiting necessary day & night caution boards, speed limit boards, red flags, red lights and providing barriers. The Contractor shall be responsible for all damages and accidents caused due to negligence on his part. No hindrances shall be caused to traffic during execution of work.
23. No payment will be made to the contractor for damage caused by rains or other natural calamities during the execution of the works and no such claim on this account will be entertained by KIAL.
24. The contractor shall remove the labor huts, temporary barricades etc. on completion of the work and leave the site in a neat and tidy state. The payment of final bill will be subject to the compliance of this condition by the contractor.

25. MATERIALS AT SITE

- 25.1 Contractor shall procure and provide the whole of the materials, required for the work including exterior emulsion paints, tools, tackles, construction plant and equipment for the completion and maintenance of work. Materials brought to the site by the contractor shall be stored by the contractor in a safe/dry storage space. The contractor shall be responsible for safe custody of materials at site till such time; the installation is commissioned and handed over to the Engineer-in-Charge.
- 25.2 The Contractor shall furnish, if and when required by the Engineer-in-charge, original vouchers, and certificate to prove that the materials procured by him are upto the specifications. Contractor should also keep a material consumption register on daily basis, along with the executed area.
- 25.3 Minimum materials/accessories required to be available at site for completion of emergency /Priority works. This shall include (but not limited) to the following,
 - (a) Joint Sealant -25 Kg
 - (b) Backing Rod (30mm dia) -100m
 - (c) Rapid Setting Bitumen Emulsion – 10 Ltr
 - (d) Road Bond -25 Kg
 - (e) Bitumen – 10Kg
 - (f) Is 164 Paint White – 20 Ltr
 - (g) Roller Bush – 2 No.
 - (h) Straight Edge and Wedge – 1 No.
 - (i) PVC Pipe ,CPVC ,Pipe – 3 m
 - (j) Duct Road -50 m
 - (k) M Sand – 100 Cft

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- (l) 20 mm Metal – 100 Cft
- (m) Safety Cone – 10 Nos
- (n) Barricading Tape – 1 Roll
- (o) Tarpolin Sheet (6 m x 6m) – 2 Nos
- (p) Nylon Rope 3 mm – 100 m
- (q) Nylon Rope 12 mm – 10 m
- (r) High Intensity Reflective Tape 2” Width (Red , Yellow ,White)– 25 m each
- (s) Laterite Stone – 200 Nos.

In case the agency fails to meet the minimum quantity at site always penalty shall be imposed, If material stock is found very inadequate the agency shall procure the materials and store at the risk and cost of the contractor.

26. SAFETY DEVICES TO FIELD ENGINEERS / TECHNICIANS / WORKERS AT SITE.

- a) The agency is also required to provide specific uniforms and safety devices to the manpower deployed on site for the work in operational area as detailed below:-
 - i) Jacket and Trousers for male staff and Suitable dress with jacket for female staff of good quality clothes as approved by Engineer-in-charge with illuminated reflective type logo.
 - ii) An apron of reflective cloth is to be provided to each of the working labour on site
 - iii) Safety Helmets and foot wears are to be provided to each of the workers.
 - iv) Safety belts, protective Goggles, Hand gloves etc are to be provided as per requirement and nature of jobs.
 - v) Helmets shall be provided for Contractor's & Consultant/Client Supervisor & Visiting / inspecting officials.
 - vi) Covid -19 protocol/any other medical or health protocol to be followed as per the GoK directions.

27. INSTRUCTIONS TO CONTRACTOR FOR SPECIAL FINISHES

- 1. All specialized works should be executed through agency who has specified qualifications and experience in the field as well as in similar projects.
- 2. Contractor should obtain all necessary approvals required for the project from statutory agencies.
- 3. Some items might be deleted at the time of execution. Any discrepancy or dimensional variation in the drawings shall be immediately notified to the site in charge.
- 4. Mock-ups of special finishes and architectural elements to be done and approval has to be obtained from Engineer In Charge. before proceeding with mass work and nothing extra will be paid for refinement of the models.

28. PLAN OF OPERATION AND CO-ORDINATION

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For execution of the work under the contract the contractor shall be required to co-ordinate his work with that of other contractors performing works at the site and also in the same areas. So far as practicable all contractors shall have equal rights to use all roads, ground and facilities made available for the joint use of the contractors.

It is envisaged that other works such as electrical arrangements, equipment, piping and other works not covered in this contract may have to be carried out by other agencies in the completed/partially completed portion of the wall along with this work. The tenderer shall permit such works to be carried out without any hindrance and fully co-ordinate his activities with other agencies. No compensation or claim for such contingencies shall be entertained.

29. SITE INVESTIGATION

The contractor acknowledges that he has satisfied himself as to the nature and location of the work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, or similar physical conditions of the site, the conformation and conditions of the ground, the character, the quality and quantities of surface and sub-surface materials to be encountered, including the subsoil water levels, the character of equipment facilities needed preliminary to and during the progress of the work, and all other matters upon which information is reasonably obtainable and which can in any way affect the work or his cost thereof under this contract. Any failure of the contractor to acquaint himself with all the available information concerning these conditions will not relieve him from responsibility for not estimating properly the difficulty or cost of successfully performing the work. Non-familiarity with the site conditions will not be considered a reason either for extra claims or for not carrying out the work in strict conformity with drawings and specifications. The contractor shall note that if any clarifications regarding specifications, conditions of contract, schedule of quantities, scope of work, etc. are required, he should contact the Managing Director, KIAL. No claim on account of ambiguity in any respect will be entertained.

30. ASSISTANCE FOR TAKING MEASUREMENTS

The contractor shall provide necessary labor and assistance to the Engineer-in-charge for checking layout, alignments, levels and other survey works connected with the execution of work and also for taking measurement for finalised works at no extra cost.

31. TESTS

All the materials to be used in and on every part of the works shall be subjected, from time to time, to such tests as the Engineer-in-Charge may direct. Such tests shall be performed at the expenses of the Contractor. The samples for tests shall be in all cases selected by the Engineer-in-Charge and supplied by the Contractor as part of the contract. If at any time, any material so tested, fails

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to meet the acceptance criteria, the same shall be removed from the site of works and other materials substituted therefore, but in the absence of any specified test/acceptance criteria, the decision of the Engineer-in-Charge shall be final and binding as to whether the said material or materials shall be used on the works, or removed forthwith and other suitable, approved material substituted.

The Contractor shall produce on demand from the Engineer-in-Charge, the manufacturer's test certificates certifying that the materials conform to the technical specifications. However, this clause will not apply to routine testing of materials at the site laboratory of the Contractor.

The Contractor shall permit the Engineer-in-Charge or his authorised representative to be present during any or all the tests. After in-forming the Engineer-in-Charge that the total work has been completed, the Contractor shall make under the direction and in the presence of Engineer-in-Charge such tests and inspections as have been specified or as the Engineer-in-Charge shall consider necessary to determine whether or not the full intent of requirements of the plans and specifications have been fulfilled. In case the work does not meet the full intent of the specifications, it shall be rectified by the Contractor at no extra cost and the Contractor shall bear all the expenses for any further tests considered necessary.

All tools, instruments, plants and labor/operating personnel for the tests shall be provided by the Contractor at his own cost.

For any tests as directed by the Engineer-in-Charge, that have to be carried out at an outside laboratory, the cost of such tests, materials transport etc., shall be borne by the Contractor.

32. **CO-ORDINATION**

The Contractor shall co-operate and co-ordinate with all other agencies working in the same project, compare plans, specifications and the time schedules and so arrange his work so that there will be no interference during execution of the work. The Contractor shall forward to KIAL all correspondence and drawings exchanged. Failure to do so will render the Contractor responsible for subsequent change found necessary and its cost. However, the Contractor shall arrange necessary facilities to execute the work simultaneously with other agencies. No claim on this account shall be entertained by KIAL.

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33. INSURANCE

The Contractor shall arrange, secure and maintain insurance as may be necessary and for all such amounts to protect his risks as detailed herein. The form and the limit of such insurance as defined herein together with the underwritten thereof in such case shall be as acceptable to the KIAL.

However, irrespective of such acceptance, the responsibility to maintain adequate insurance coverage other than CAR policy on all risks basis at all times during the period of contract shall be of the Contractor. The Contractor's failure in this regard shall not relieve him of any of his contractual responsibilities and obligations. Any loss or damage to the construction equipment or materials during handling, transporting, storage and erection, till such time as the work is certified by the Engineer-in-charge as having been completed in all respects & is taken over by KIAL: shall be to the account of the Contractor and his responsibility preferring all claims and make good for the damage or loss by way of repairs and/or replacement of the portion of the work damaged or lost. The completion of work shall not, in any, way relieve the Contractor of the above responsibilities during the period of the contract. The Contractor shall provide the KIAL with a copy of all insurance policies and documents taken out by him in pursuance of this contract.

Such copies of documents shall be submitted to KIAL immediately after such insurance coverage. The Contractor shall also inform the KIAL in writing at least twenty (20) days in advance regarding the expiry/cancellation and/or change in any of such documents and insurance revalidation/renewal, etc., well in time as may be necessary. The risks that are to be covered under the insurance shall include but not be limited to the loss or damage in transit, theft, pilferage, riot, civil commotion, weather conditions, accidents of all kinds, fire, etc. All costs on account of insurance liabilities covered under the contract will be on the Contractor's account and will be included in contract price. However, the KIAL, may from time to time during the pendency of the contract, ask the Contractor in writing to limit the insurance coverage risks and in such a case the parties to the contract will agree for a mutual settlement for reduction in contract price to the extent of reduced premium account.

34. CONTRACT DOCUMENTS

The Contract document is confidential and must strictly confined to the contractor's own use (except so far as confidential disclosure to sub-contractors or suppliers, if necessary) and to the purpose of the contract.

35. LABOUR CAMPS

No labor camps will be allowed in the operational area.

36. REGULATIONS

All men and vehicles will observe the regulations in force in the operational area and will do nothing to pose a danger to the aircraft and their operations. All vehicles will fly the mandatory red flag during day light hours and red lights during night while working in operational areas.

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37. LEAD AND LIFT

The rate quoted by the contractor shall be for all lead and the entire height of wall unless otherwise specified anywhere in the document.

38. No payment will be made to the contractor for damaged caused by rains or other natural calamities during the execution of work and no such claims on this account will be entertained.**39. Sales Tax/purchase tax/turnover tax/ contract tax/octroi/ royalty/ Construction Employee Welfare Cess / Excise or any other duty levied by Custom Authorities in respect of import or any materials or any other tax on material, labor, services or contract in respect of this work contract including payment to local/Govt./Statutory authorities shall be payable by the contractor except specified anywhere in the document and KANNUR INTERNATIONAL AIRPORT LTD will not entertain any claim whatsoever in this respect except GST. Construction Employee Welfare Cess will be deducted at the time of making payment of running account bill as per prevailing rates of the respective states. Nothing extra will be paid by KIAL in this respect.****40. ADDITIONAL PERFORMANCE SECURITY FOR SPECILAISED WORKS.**

In additional to the additional performance guarantee and security deposit, the contractor has to submit and additional guarantee/ warranty as per the format given in **Annexure-15** for a value of 10% of the total cost for the specialized works in the form of bank guarantee as given in **Annexure -27**. No interest shall be paid for the security so retained. The contractor should ensure good quality of work by using good quality material, skilled labor and supervisor at the time of application. The guarantee/ warranty for the work shall be for a period, mentioned in the specification of work and shall commence from the date of completion of work.

In case the agency fails to submit the bank guarantee within a period of 7 days from the date of completion, 10% of the total amount of the specialized work shall be withheld from the final bill in addition to the security deposit.

41. Security Clearance for the company and the Entry pass for Staffs:

- The Contractor shall obtain Company's security clearance from BCAS through "e-sahaj portal".e-Sahaj portal which facilitate applicant to submit application online and also to view its status from time to time. Initially for applying pass , the uploaded documents from e- sahaj are to be submitted along with the application. The Contractor shall apply in advance for issue of necessary entry passes of workmen engaged by him. Submission of necessary police verification, security clearance issued by BCAS , Authorization Letter , Appointment Letter, AVSEC training Certificate etc. as required for entry passes will be the responsibility of the contractor. All expenditure /fees towards arranging security passes shall be borne by the agency.

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The Contractor has to follow the guide lines issued by “BCAS” from time to time and apply for the daily entry permit for the labours, the previous working day together all the required details in the prescribed performa while entry into Institutional Building/ operational area /Civil Air Terminal building/ other building and including Residential areas. The contractor shall arrange Character & Antecedence Verification Certificate from the Police Authorities and pay fees as required for Airport Entry Pass to be issued by the BCAS and necessary Driving Permit from the concerned Airport officials in respect of driver and Vehicle Entry Pass for the use of vehicle inside Operational areas of the airport if required and nothing will be paid by KIAL in this regard.

- The Work site is at operational area where entry restriction is applicable as per BCAS guide lines.

To get the entry pass to the site the agency shall take the following steps

- The agency should submit the AEP application to Pass section with proper documents as required(Work order copy ,Id Card copy ,Photos ...etc)
 - The Agency should submit the Work Permit Application to Head Operations through Engineering Dept with proper documents as required (Work Methodology, Technical specification ..etc).
 - The Agency should submit the Material Pass and Tool Pass Request letter to Head Operations through Engineering Dept with proper documents (Tool Lists and Material lists required for the work with number).
- WORK IN OPERATIONAL AREA -If the work has to be carried out in operational area whenever necessary the work shall be carried out in the non-operational period. The contractor shall have to coordinate with the Aerodrome Authority for locating T&P and stacking of materials etc. nothing extra shall be paid to the Contractor for all the above factors.
 - No Additional time or claim can be made by the firm for the restricted entry etc.

42. Process of allotting sub work/maintenance:-

- Kannur Airport shall allot various sub works under this contract with specified time frame from time to time.
- Each such allotment letter shall be considered as an award for that sub work. The stipulated time, DLP etc shall be applicable independently to that sub work.
- Contractor shall maintain a register at site to record such allotment of each sub work.

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- Completion certificate for each such sub work need to be recorded.
- However, daily maintenance works to be attended on day to day basis as per the complaint register maintained at the site by the contractor.
- To attend the day to day complaints, the agency need to maintain the following workers/staff and should be available at site 24 x 7 .
 - I. Plumber – 1No
 - II. Helper/Sewerman – 1No
- For the day/night shift work, the workers are to be arranged accordingly to the nature and necessity of work as per the direction of EIC.
- The contractor shall have to work at both city side and Airside if any requirement arises as per direction of EIC .For such works the rate quoted shall be applicable however EIC can have the discretion to pay any deviation (+/-) from the quoted rate as per the nature of work provided due supporting documents are produced by the agency.
- Penalty for not attending the complaints within the scheduled time shall be applicable as per Annexure 26

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ATTENDING COMPLAINTS:

1. The Authority shall reserve the rights to fix responsibility for omissions & commissions and to impose levies and for such deficiencies in services after serving notice and giving fair opportunity to the contractor in respect of following

- Delay in attending to the Fuse off Calls – Time limit one hr. after the receipt of complaint.
- Delay in attending to the maintenance checks
- Poor workmanship & damage to installations of KIAL.
- Negligent response for attending to any complaints
- Wrong / Improper documentation.
- Not complying with instructions given to supervisor

2. An amount of Rs.500/- shall be levied for each lapse / incident of deficiency in service as mentioned above in addition to the cost of repair/replacement of equipment which have become faulty due to unsound workmanship.

3. If any urgent work under the scope of contract (in respect where of the decision of the engineer in charge shall be final and binding) becomes necessary and the contractor is unable or unwilling to carry it out, then the engineer in charge may depute his own or other people to carry it out as he may consider necessary. If the urgent work carried out at the expenses of the contractor, all expenses incurred on it by KIAL shall be recoverable from the contractor and be adjusted or set off against any sum payable to him.

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FORM OF ADDITIONAL PERFORMANCE SECURITY (GUARANTEE)
Additional Bank Guarantee Bond

- (i) In consideration of Kannur International Airport Limited (hereinafter called 'KIAL') duly represented by its Managing Director, having offered to accept the terms and conditions of the proposed agreement between
and[hereinafter called the said Contractor(s)] for the work.....(herein after "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We..... (indicate the name of the Bank) (hereinafter referred to as "the Bank") hereby undertake to pay to KIAL an amount not exceeding Rs.....(Rupees.....only) on demand by KIAL.

- (ii) We.....(Indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from KIAL stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....only).

- (iii) We, the said Bank, further undertake to pay to KIAL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under his bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

- (iv) We.....(Indicate the name of the 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 agreement and that it shall continue to be enforceable till all the dues of KIAL under or by virtue of the said agreement have been

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fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of KIAL certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

- (v) We.....(indicate the name of the bank) further agree with KIAL that KIAL shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by KIAL against in the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relived from our liability by reason of any such variation, or extensions being granted to the said contractor(s) or for any forbearance, act of omission on the part of KIAL or any Indulgence by the KIAL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
- (vi) This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
- (vii) We.....(Indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of KIAL in writing.
- (viii) This guarantee shall be valid upto..... unless extended on demand by KIAL. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees.....only) and unless a claim in writing is lodged within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

In presence of:

Dated this _____ Day of _____

WITNESS

1 For and on behalf of (The Bank)
2 Signature _____
Name & Designation _____

Authorisation No. _____
Name & Place _____
Bank's Seal _____

Signature & Seal of Tenderer

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The above Guarantee is accepted by Kannur International
Airport Ltd. For and on behalf of Kannur International
Airport Ltd. Signature _____

Name _____

Designation _____

Dated _____

Note: * Date of validity should be schedule date of completion + 180 days

Signature & Seal of Tenderer

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SPECIAL CONDITIONS OF CONTRACT (ELECTRICAL)

Internal & External Electrification, Substation Equipment, HVAC, Fire Detection and Alarm System, Fire Hydrant & Sprinkler System, ELV System

1. INTRODUCTION

This special conditions of contract is for executing various miscellaneous Electrical works covered under CPWD DSR at Kannur Airport.

The work shall be carried out as per relevant CPWD/ISI/BIS/CPWD specifications, ASHRAE Standards and IE rules amended up to date.

2. REQUIREMENT FOR SPECIALIST AGENCIES

(1) The successful bidder should either have in house capability to design and execute specialized jobs of

- Internal & External Electrification
- HVAC
- HT Substation and DG Set work
- FADS, Fire Hydrant & Sprinkler System
- ELV System

Or should associate with specialized agency for such specialized works. The firm shall submit the details of in house capability for itself or associates (as applicable) along with credentials as and when the above nature occurs at site.

(2) The Engineer-in-Charge will scrutinize the eligibility criteria of the firm/associates as per Appendix- 'A', the eligible short listed firms/associates will be approved by the Client, time to time as and when the work arise at site.

(3) The agency shall be engaged after approval from Client, whose decision based on the confidential feedback & credentials of the agencies on the matter shall be final & binding.

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3. STRUCTURAL ALTERATIONS TO BUILDINGS

3.1. No structural member in the building shall be damaged/altered, without prior approval from KIAL.

3.2. Structural provisions like openings, pipes if any, provided by KIAL for the work, shall be used. Where these require modifications, such contingent or works shall be carried out by the contractor, at his cost after the prior approval of KIAL.

3.3. All cut out openings in floors provided by KIAL shall be closed, after installing the cables/pipes/ducts in accordance with the item therefore in the schedule of work.

3.4. All cuttings made by the contractor in connection with the works shall be filled by him at his cost to the original finish.

4. MATERIALS

All the materials required for this work should conform to relevant IS specifications and as per list of approved makes (Annexure 1). The copies of Purchase Vouchers & Gate Passes should be produced along with the materials. The type test certificates, routine test certificates and acceptance test certificates are also to be submitted.

5. STORAGE OF MATERIALS

The watch & ward of the stores, equipment & materials shall be the responsibility of the contractor till the completion, commissioning & handing over to KIAL. Necessary store rooms should be constructed by the contractor incase no store is provided by KIAL. The land required for stores will be provided by KIAL free of cost. In case storage space is provided by KIAL the space rent at a concessional rate to be paid by the agency.

The Contractor shall stack materials at the site of work strictly as per instructions of KIAL. Keeping in view the safety and smooth progress of the project.

Nothing extra shall be payable for any extra lead involved in stacking the materials at a reasonable distance away from the workplace.

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The contractor shall take away the balance of any materials left at the site after commissioning of the system. The cost, if already paid, for such items shall be deducted from the subsequent running bills. KIAL shall not be liable to pay for any of the incidental charges connected with the above.

6. SAMPLES

The Contractor shall be required to provide to KIAL, samples of all the materials sufficiently in advance free of cost to obtain approval of KIAL. Approved samples shall be retained by KIAL until the completion of the work and all materials and workmanship incorporated in the work are to conform to the approved samples in all respects. Rejected materials shall be removed from the site immediately under the supervision of KIAL.

7. All non-scheduled items (Items not covered under DSR) including ELV works shall be executed by the contractor, if necessary, as extra items and rate shall be paid as per clause 12 of conditions of contract.

8. MANPOWER

- Authorized, experienced, competent work force shall be deployed with competent supervision.
- They should possess requisite qualifications/valid permits/license/competency certificates to work on LT & HT Electrical Installations.
- Electrician shall have minimum qualification of ITI (Electrical) with track certificate having 2 years of experience.
- Welder shall have qualification and test certificates.
- Experienced fabricators shall be engaged for piping works.

9. RESTRICTIONS IN WORKING HOURS

The number of hours working in the area might be restricted due to operational reasons and contractor will not have any claim for extra payment on this account. The contractor's staff working in the operational area will obey the instructions of authorities in clearing the site. Also prior permission has to be obtained before stacking of materials in the premises.

The work shall be done in phases, in close co-ordination with civil/electrical/air conditioning false ceiling works and other works as directed by KIAL.

10. TESTING AND MEASURING EQUIPMENTS

Equipment for measurement of work and testing the installation shall be procured by the Contractor for their use at their own cost. The same shall also be made available to KIAL without any charges to KIAL.

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11. ELECTRIC SUPPLY

KIAL will provide temporary Electric power to the Contractor for execution of work, if found feasible on payment basis. Otherwise, the contractor shall make his own arrangements for temporary connections required, if any, and make necessary payments to the Departments concerned. No amount shall be payable by KIAL on this account.

12. SITE MAINTENANCE DURING CONSTRUCTION

The Contractors shall time to time clear and remove all rubbish and obstructions from the site and the work area shall be kept clear and unobstructed at all times. Nothing extra shall be paid on this account.

13. CONFORMITY TO IE ACT, IE RULES, AND REGULATIONS

All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act-2003, and Central Electricity regulations 2010 amended up to date (date of call of tender unless specified otherwise) and the State Electrical Inspectorate.

The works shall also conform relevant Indian standard Codes of Practice (COP) for the type of work involved.

All materials to be used in work shall be ISI marked.

In all electrical works, relevant safety codes of practices shall be followed.

14. GENERAL REQUIREMENTS OF COMPONENTS

Ratings of components

All current carrying components in an installation shall be of appropriate ratings of voltage, current and frequency as required at the respective sections of the electrical installation in which they are used without their respective ratings being exceeded.

Fabrication of panels shall be in a CPRI approved workshop.

Unless otherwise specified, switch boards/LT panels, etc. will be fabricated by a fabricating work shop having type tested as per IEC 614391 & 2. The work shop also should have reasonable quality control, and testing facilities, besides, having a proper 7- tank process for proper treatment and painting of metal parts.

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15. OTHER WORKS, PAINTING.

All exposed metal work furnished under these specifications, except as otherwise specified shall be painted after installation. Painting shall be with 2 or more coats of Synthetic enamel of approved brand over two coats of zinc chromate yellow primer.

Openings of walls, slabs, trenches, etc. and making those good thereof to original finish.

Providing all consumables and hardware such as welding electrodes, sealing compounds, bolts, nuts, washers, gasket material, cement, bricks, graded stone, etc.

Supply of skilled and unskilled manpower, experienced supervisory and technical staff and competent management for execution.

The contractor shall be responsible for any damage resulting from his negligence to existing facilities /installations and will restore, replace or repair any such damages at this cost to the complete satisfaction of KIAL.

16. SAFETY

Only properly tested and marked material handling equipment shall be used.

All supporting arrangements and fixing details shall be checked periodically and necessary rectifying actions are to be taken in order to ensure safe handling of loads during different operations.

All plant and machinery of the contractor shall observe the safety regulations needed for working in a project where other contractors /sub-contractors /agencies might also be working, so as not to interfere with the work of the other contractors or foul with their constructions.

The Contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit borders, red flags, red lights and providing barriers. They shall be responsible for all damages and accidents caused due to negligence on his part. No hindrances shall be caused to traffic during execution of work.

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17. COMPENSATION

No payment/compensation will be made to the Contractor for damage caused by rains, floods, cyclones, earthquakes, subversion, riots or other natural calamities during the execution of the Works. The damage caused to work shall be made good by the Contractor at his own cost and no claim on this account shall be entertained.

The rates quoted by the Contractor for all items except those where specific provisions indicated in the schedule of quantities shall include all leads, lifts and nothing extra shall be paid on this account.

The Contractor shall adjust his labor, staff, plant, machinery, etc. According to the requirement of work from time to time with particular regard to approved phases of work and no claim shall be entertained on account to fiddle labor, plant, machinery, etc., due to any reason whatsoever.

The Contractor shall clear the site thoroughly of all scaffolding materials, wastage and rubbish etc., left out of his work and dress the site around the area to the satisfaction of KIAL upon completion of the work and before release of payment of the last running bill. The payment of final bill will be subject to the compliance of this condition by the contractor.

18. INSURANCE FOR STAFF

The Contractor shall also take insurance for all his staff working at site against injury, loss of life etc., and no claims of compensation to the staff/workers will be entertained by KIAL in this regard. The Contractor shall indemnify KIAL against all such claims.

19. STATUTORY APPROVALS

It is responsibility of the contractor to get initial and final approvals/NOC for systems like electrical, fire protection, etc. from the concerned departments/local bodies. The Contractor shall also do all the liaison works with the departments for getting the approvals. All the incidental expenses in connection with the above shall be borne by the contractor with no extra cost to KIAL. For all approvals/NOC, statutory fees shall be paid by the contractor initially, however, it shall be reimbursed by KIAL on submission of documentary evidences.

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19.1. All the equipment to be supplied and works to be executed should conform to the Electrical Inspectorate / CEA Standards including all protection and metering accessories.

19.2 All testing/calibration, etc. are to be carried out as per the requirements of statutory Authorities. The tests/calibration certificates shall be submitted to KIAL.

19.3 The scope of work also includes obtaining initial and final approvals (NOC) for the fire protection system from local authorities like State Fire Dept.

19.4 The scope of work also includes CPCB & Explosive license for HSD storage etc. to be obtained from the concerned authorities.

20. COMMISSIONING ON COMPLETION

After the work is completed, it shall be ensured that the installation is tested and commissioned. All the test/calibration certificates shall be submitted to KIAL before handing over of the system along with all documents i.e., O&M documents, test details, inventory lists for each system and for each item, warranty/guarantee certificate etc. complete as required.

21. GUARANTEE/ WARRANTY

All the items of equipment and installations shall be guaranteed to be free from defective workmanship or materials for a period of one year from the date of handing over. The Contractor at his own costs shall rectify any defect/replace material that may appear during the period.

During this period, the contractor shall without any extra cost, carry out all routine and special maintenance of the works executed by him and attend to any difficulties and defects that may arise in the day to day operation of the system within 24 hrs. Of complaint reported by KIAL.

The Contractor shall guarantee that all material, machinery, Consumables and components, supplied, fabricated, designed and installed by him shall be free from Defects due to faulty material and/or workmanship and that the system shall perform satisfactorily, and the efficiency of the system and all the components shall not be less than the values laid down in the specifications and the capacities shall be at least equal to those specified. During the guarantee period any or all components found to be defective shall be replaced or repaired free of charge and shortcoming found in the system as specified shall be removed at no extra cost. The Contractor shall provide the necessary personnel and tools for fulfilling the guarantee. If the defects are not remedied within a reasonable time, KIAL may proceed to get the defects remedied at the Contractor's risk & expenses without prejudices to his right. The Contractor shall without any cost to the

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Employer carry out during the guarantee period all routine and special maintenance of the system and attend to any defects that may arise in the operation of the system.

The Contractor shall hold himself fully responsible for reinstallation or replace free of cost to KIAL during the defect liability period as stipulated here under.

- a) Any defective material supplied by the Contractor or defective workmanship of the Contractor.
- b) Any material supplied by KIAL which is proved to be damaged or destroyed as a result of defective workmanship by the Contractor.

22. WARRANTY FOR LIGHT FIXTURES, FANS, MCBs & MODULAR SWITCHES, COMPRESSORS ETC.

All light fixtures used shall be guaranteed against manufacturing defects and photometric performance for a period of five years from the date of handing over. Manufactures guarantee/ Warrantee for fans, MCBs and Modular Switches, Compressors for a minimum period of 5 years or more should be extended to KIAL. The guarantee/ Warrantee should be obtained in the name of KIAL. KIAL reserve the right to approve those makes who gives more guarantee period compared to their competitors.

23. PAYMENT TERMS

KIAL shall pay to the contract or in the manner specified below for each system of work like Internal & External electrification, Substation equipments and DG set, HVAC, BMS, Fire Protection system which includes Fire Hydrant and Sprinkler system, Fire Detection and Alarm system, etc.

(A) FOR SITC ITEMS

- i) 70% of the item rate on prorata basis on supply at site, testing and approval by KIAL.
- ii) 20% of the item rate on installation and approval by KIAL.
- iii) 10% of the item rate on commissioning and handing over of the system and on statutory approvals from KSEI/Fire & Rescue Department etc. as applicable.

(B) FOR SUPPLY ITEMS

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- i) 85% of the item rate on pro-rata basis on supply at site, testing and approval by KIAL.
- ii) 15% of the item rate on commissioning and handing over to KIAL

(C) For purely Installation items:

- i) 85% against Installation of item
- ii) 15% on commissioning & handing over

24. HVAC

HVAC system shall comply with the minimum energy efficiency requirements complying to ASHRAE90.1 latest standards. Ventilation requirements shall comply to ASHRAE 62.1 latest standards.

EQUIPMENTPERFORMANCE

Equipment shall be selected complying to the latest energy efficiency requirements mentioned as per ASHRAE 90.1 standards.

25. MAKES

- i)Where makes have not been indicated in the approved make list, (Annexure-1) such items shall be of ISI marked/reputed brands/UL certified. Reputed brand implies a brand which is supported by nationwide sales & service distributors/dealers/network/centers. And all such items shall be got approved from Engineer-In-Charge.
- ii)Wherever “equivalent” mentioned against makes. Suitable evidence shall be produced and get the prior approval of such makes from the Engineer-In-Charge.

26. CONFORMITY TO RULES AND REGULATIONS

1. The work shall be carried out in the best work man like manner in conformity with this specification, the relevant specification/codes of practice of the Bureau of Indian Standards or IEC recommendations (Except where specified otherwise) and other relevant Indian/International standards with latest amendments, approved drawings and the instructions issued by the Engineer-in-charge or his authorized representative, from time to time. Equipment meeting any

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other authoritative standard, which ensures an equal or better quality than the above standards, will also be acceptable.

2 In addition to the standards, all works shall also conform to the requirements of the followings:

- a. All Electrical works shall be carried out in accordance with the provisions of Indian Electricity Act-2003, Indian Electricity Rules 1956 amended up to date (Date of call of tender unless specified otherwise)
- b. HVAC as per latest standards
- b) The works shall also conform to relevant Bureau of Indian Standards' Codes of practice (COP) for the type of work involved.
- c) Materials to be used in work shall be ISI marked/UL certified wherever applicable.
- d) In all electrical installation works, relevant Safety codes of practices shall be followed.
- e) Fire Insurance Regulations.
- f) Regulations laid down by the Chief Electrical Inspector of the State Electrical Inspectorate/State Electricity Board/Central Electrical Authority or any other agencies concerned.
- g) Regulations laid down by NBC 2016, Kerala state Fire & Rescue department rules and regulations.
- h) Any other regulations laid down by the local authorities.
- i) Installation & operating manuals of original manufacturers of equipment.

27. GENERAL REQUIREMENTS OF COMPONENTS

1. Quality of materials

All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and material as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.

28. WORKS TO BE DONE BY THE CONTRACTOR

The following miscellaneous incidental works to the main works are included in the scope of the agency and nothing extra would be payable for this.

1. Foundations and Brackets and components wherever required including foundation bolts.

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2. Suspenders and brackets for suspending/supporting cables, pipe supports/duct supports as required.
3. Anchor fasteners, hardware and suspenders for supporting cable trays on truss/roof for laying the cables, pipe supports/duct supports as applicable wherever as required.
4. Sealing of all opening provided for pipes and cables, from fire safety point of view, After laying of the same.
5. Painting of all exposed metal surfaces of equipments and components with appropriate colour.
6. Plastering and making good all damages caused to the structure during installation and restoring the same to their original finish including supply and fixing wire mesh at chipped surface before plastering.

29. INSPECTORATE APPROVAL

1. All the equipment to be supplied and works to be executed should conform to the Kerala State electrical Inspectorate Standards including all protection and metering accessories. Nothing extra will be paid/ reimbursed in this regard.
2. Contractor has to obtain necessary scheme approval from the Kerala State Electrical Inspectorate immediately after the award of work. All drawings required In this regard are to be prepared by the contractor at his expense.
3. All testing/calibration, etc. are to be carried out as per the requirements of KSEI.
4. On completion of the work, the contractor has to obtain necessary safety/ energization certificate from KSEI by submitting necessary completion certificates, drawings, equipment details, load details, test results, etc. before energization.
5. Approval for shifting and energization also has to be obtained. Similarly the entire statutory fee and other expenses for the temporary energization of panels etc. are to be borne by the contractor.

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APPENDIX – ‘A’

Eligibility criteria for Specialized Agencies or Associates for executing Electrical and mechanical works

Ref clause 2.0 of Special Conditions of Contract (ELECTRICAL)

S.N.	Specialized work	Qualifying criteria for the firms
1	Internal and External Electrification, HVAC, FADS, FHSC, ELV, Substation Equipments etc.	The agency shall associate an electrical agency having minimum B class license with 250KVA capacity. The bidder should mention the name of the electrical associate agency, attach their credentials and their consent letter to associate along with the tender.

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TECHNICAL SPECIFICATIONS

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TECHNICAL AND PARTICULAR SPECIFICATION

1. PREAMBLE:

These technical specifications shall be read in conjunction with the various other documents forming the contract, namely Notice Inviting Tender & Instructions to Tenderers, Conditions of Contract, Special Conditions of Contract, Bill of Quantities and other related documents, together with any addendum issued thereto.

Absence of terms such as providing, supplying, laying, installing, fixing etc. in the description does not even remotely suggest that the contractor is absolved of such providing, supplying etc. unless an explicit stipulation is made in this contract.

The classification of various items of work for purpose of measurements and payments shall be as per Bill of Quantities (BOQ). Except where distinguished by the BOQ, the rates apply to all heights, depths, sizes, shapes and locations. They also cater for all cuts and wastes.

The specifications may have been divided in different sections/sub-head for convenience only. They do not restrict any cross-reference. The Contractor shall take in to account inter-relations between various parts of works/trades. No claim shall be entertained on basis of compartment interpretations.

Items, which are not covered under the specifications, shall be executed; as per latest CPWD specifications & relevant IS codes, MORTH specifications under the directions of Engineer-in-charge.

2. SCOPE OF WORK

The scope of works is applicable for the following buildings/ Infrastructure within operational area

- a) Airside areas of Passenger Terminal Building, Air Traffic Control Tower, Integrated Cargo Complex and International Cargo Building.
- b) All Air side Pavements i/c Runway, Taxiway, Apron, Operational Roads..etc
- c) Operational Boundary Wall and Concertina Coil
- d) Airside Watch Towers
- e) Airside ancillary buildings like AGL Substation, fire stations, MT workshops, CNS buildings ,MET Park etc.
- f) All Airside drains ,graded area/Basic Strip , Drainage grills (Both Inside and Outside openings) ...etc
- g) All Preventive maintenance and rectification works of HNS System and Sewer Lines at both Airside and City Side.

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2.1 Civil Scope

Based on the requirements from various stakeholders EIC will issue the letter along with the schedule. The schedule of work contains items from DSR, BOQ and any other items not mentioned in the BOQ. The items not mentioned in the BOQ shall be treated as market rate items. The maintenance work as mentioned in the schedule of items in the tender also shall be executed by the agency within the time frame mentioned in the technical specification

2.2 Electrical Scope

Any item mentioned in the DSR, Schedule and any other item not mentioned in the schedule either original or maintenance works at Kannur Airport and Outside Kannur Airport structures.

2.3 ELV Scope

Any item mentioned in the DSR, Schedule and any other item not mentioned in the schedule either original or maintenance works at Kannur Airport and Outside Kannur Airport structures

3. BREAKDOWNS

- 3.1 The contractor shall attend breakdown repairs and if any additional man power required for speedy rectification, he shall mobilize the same without any additional payment.
- 3.2 Breakdown of services shall be attended to and restored immediately without loss of any time on top priority. The time schedule for attending various types of complaints are given below
 - i) Emergency Complaints – Within 4 Hrs.
 - ii) Breakdown Complaints - Within 12 Hrs.
 - iii) Normal Complaints – Within 48 Hrs.

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Emergency Complaints: Any complaints which will affect the operation of airport shall be treated as emergency complaints. Works like crack in the runway, access blockage to passengers, water leakage in water supply line etc.

Breakdown Complaints: Any breakdown in the systems installed at the airport.

Normal Complaints: Any complaints which will not affect the operation of airport and not coming under the above mentioned category shall be treated as normal complaints.

Incase time line is not met penalty Rs 200/Hr shall be levied. But total penalty in a month shall be restricted to 10% of total monthly bill pertaining to maintenance related items.

- 3.3 One or more registers in the standard format shall be maintained for recording the breakdowns/faults. Report of breakdown/faults shall be recorded on this register by the workmen on duty or by the user in person, over phone, or through a messenger with time of receipt of fault report, location and nature of fault, time of removal of fault/rectification, materials used and cause of fault shall be recorded by the person attending the complaint.
- 3.4 These registers shall have to be got attested by the Engineer In Charge or his designated representative every day. The workmen shall have to ensure that the user acknowledges satisfactory rectification of each fault under user's signature with the date and time.

4. CARE OF BUILDING, EQUIPMENTS AND INSTALLATIONS

- 4.1 The contractor shall be responsible for any damage, resulting from his negligence to existing fixtures/equipment's/installations and will restore, replace or repair any such damage to the complete satisfaction of the engineer in charge. The contractor is also fully responsible for any breakage or damage to the fixtures/materials supplied to him by the department for installation. Engineer in charge's decision for recovery on this account shall be binding on the contractor and such amounts shall be adjusted from his bill. Unused material issued by the department shall be returned to the department in good condition, failing which the recovery shall be made from his bill which shall be as follow:
- 4.2 Storage Charge or twice the prevailing market rate whichever is higher

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TECHNICAL SPECIFICATION – CIVIL WORKS**GENERAL**

The works will be executed as indicated in the nomenclature of each item and technical specifications as given here under as made applicable to this contract.

In the absence of any definite provision in the technical specifications contained herein, reference may be made to the latest CPWD, MORTH, IRC, CPCB, GRIHA, NBC, ICAO Specifications and IS codes, in that order. Wherever these are silent, the construction and completion of the works shall conform to sound engineering practice and in case of any dispute arising out of the interpretation of the above, the decision of the Engineer-in-Charge shall be final and binding on the Contractor.

In addition, to abbreviations CPWD, IRC, MOST, IS, BS, ICAO ASTM, AASHTO shall be considered to have the following meaning: -

CPWD	:	Central Public Works Department
IRC	:	Indian Road Congress
MORTH	:	Ministry of Shipping & Transport (Road Wing) Government of India.
BIS	:	Bureau of Indian Standards
BS	:	British Standard of the British Standard
ICAO	:	International Civil Aviation Organization
ASTM	:	American Standards of the American Society of Testing Materials.
AASHTO	:	American Association of State Highway and Transportation Officials.
CPCB	:	Central Pollution Control Board.
GRIHA	:	Green Rating for Integrated Habitat Assessment.
NBC	:	National Building Code

All the codes of practice, standards and specifications applicable shall be the latest editions with up to date correction slips etc. or as directed by the Engineer-in-Charges.

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No walls, terraces shall be cut for making any opening after waterproofing has been done without approval of the Engineer. Cutting of waterproofing when authorized by the Engineer in writing shall be done very carefully so that no other portion of the waterproofing is damaged. On completion of the work at such places, the waterproofing membrane shall be made good and ensured that the opening/cutting is made fully waterproof as per specifications and details of waterproofing approved by the Engineer at no extra cost. No structural member shall be cut or chased without the written permission of the Engineer.

All materials intended to be used at site shall be tested prior to its use in an approved manner. Cost of all such tests and any other tests felt necessary by the Engineer shall be deemed to be included in the price of respective materials quoted by the Contractor. Any defective materials brought to site shall be returned without any extra cost for the same.

Performance tests shall be carried out as the discretion of the Engineer on all/any items, of work as directed by the Engineer. Should any item shall fail to pass the tests, the Contractor shall be given opportunity to take corrective measures and have the same re-tested to the satisfaction of the Engineer, he may at his sole discretion order dismantling of the whole or part of the works done and order the Contractor to reconstruct the same. The cost of all these operations and materials shall be borne by the Contractor without any extra claim.

The Contractor may make a special note of the strictness of the concrete mix to be adopted in items of maximum water-cement ratio, minimum slump, control of total chloride and sulphate contents, use of admixtures etc.

Minimum cement contents are given purely from durability point of view. Larger contents shall have to be provided if demanded by mix design.

Provision of cement slurry to create bond between plain/reinforced concrete surface and subsequent applied finishes (floor, plaster, dado, skirting etc.) shall not be paid extra.

All items shall be executed as per latest CPWD specifications & relevant IS codes, MORTH specifications under the directions of Engineer-in-charge and in absence of any specification in CPWD or MORTH the items need to be executed as per sound Engineering practice and as directed by Engineering in charge

TESTING

It is made clear that cost of testing, cost of material for testing, all field apparatus required for sampling and testing as per CPWD/IS codes and manpower incident to such testing

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will be provided along with necessary transport arrangement to and fro to the approved testing agency or laboratory by the Contractor during the construction phase of the work and defect liability period. The expenditure in this regard shall be borne by the Contractor and nothing extra shall be payable by KIAL on this account.

Measurements

The length and breadth shall be measured correct to a cm. The area shall be calculated in sqm (correct to two places of decimal).

Rates

The rate shall include the cost of all materials T & P etc. scaffolding and labor involved in item of work including cartage, lifts etc.

Specification for Non-DSR item

LATERITE WORK

Providing and constructing laterite stone masonry in CM 1:6 (1 cement, 6 coarse sand) with neatly dressed laterite stones of standard/approved size and quality (average compressive strength not less than 35 kg/cm²) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, labour including cutting & dressing laterite stone, lead, lift, etc. Complete for all types of masonry works at all level as directed by Engineer-in-Charge.

Material

The stone shall be of the type specified such as Laterite or equivalent and shall be obtained from the quarries, approved by the Engineer-in-Charge. Stone shall be hard, sound, durable and free from weathering decay and defects like cavities, cracks, flaws, sand holes, injurious veins, patches of loose or soft materials and other similar defects that may adversely affect its strength and appearance. As far as possible stones shall be of uniform color, quality or texture.

Generally stone shall not contain crypts crystalline silica or chart, mica and other deleterious materials like iron-oxide organic impurities etc. Stones with round surface shall not be used.

Compressive Strength: The compressive strength of Laterite stone shall be 35.0Kg/sq cm.

Water Absorption: The average water absorption of laterite stone when tested in accordance with the procedure as per in IS 1121 (Part I) shall not more than 12% by weight.

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Test for compressive strength shall be carried out as laid down in IS 1121 (Part I).
Test for water absorption shall be carried out as laid down in IS 1124.

Size of Stones

Normally stones used should be small enough to be lifted and placed by hand. The size of the laterite block shall be 350mmx210mmx200mm.

Tolerance: The permissible tolerance on the dimensions shall be as follows

Total tolerance for 20 blocks in mm

350 + 80

210 + 40

200 + 40

Mortar

The mortar used for joining shall be as specified in BOQ item. Portland pozzalona cement shall be used for cement mortar

Laying

Laterite stone shall be laid in English Bond unless otherwise specified.

Raking Out Joints

All the joints on the faces to be pointed or plastered shall be raked out with racking tool while the mortar is still green.

Joints

Stones shall be so laid that all joints are fully packed with mortar. Face joints shall not be more than 10mm thick. The joints shall be struck flush and finished at the time of laying when plastering or pointing is not to be done. For the surfaces to be plastered or pointed, the joints shall be raked to a minimum depth of 10mm when the mortar is still green.

Curing

Masonry work in cement or composite mortar shall be kept constantly moist on all faces for a minimum period of seven days and thereafter.

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Protection

Green work shall be protected from rain by suitable covering. The work shall also be suitably protected from damage, mortar dropping and rain during construction.

Measurements

The length, height and thickness shall be measured correct to a cm. The thickness of wall shall be measured at joints excluding the bushing. Only specified dimensions shall be allowed; anything extra shall be ignored. The quantity shall be calculated in cubic metre nearest to two places of decimal.

Rate

The rate shall include the cost of materials and labour required for all the operations described above including scaffolding, lead, lift and all taxes and shall include the following:

- a) Raking out joints for plastering or pointing done as a separate item, or finishing flush as the work proceeds.
- b) Preparing tops and sides of existing walls for raising and extending.
- c) cutting and waste for forming gables cores, skew backs or spandrels of arches, splays at eaves and all rough cutting in the body of walling unless otherwise specified.
- d) Bond stones or cement concrete bond blocks.
- e) Leading and making holes for pipes etc.
- f) Bedding and pointing wall plates, lintels, sills etc. in or on walls, bedding roof tiles and corrugated sheets in or on walls.
- g) Building in ends of joists, beams, lintels etc.

Item No 17 :

Attending various day to day complaints and rectifying the defects/cause of complaints by deploying laborers (unskilled semi-skilled and skilled) with necessary T&P but without changing/replacing the fittings/fixtures. However, the minor stores like screws for tightening hinges, tower bolts, door handles etc. & to prevent the leakage in the bib cocks, stop cocks, pillar cocks, clearing the blocks in the kitchen sink & wash basin including the cleaning of floor trap etc. is included in the rate. The rate is for attending up to 75 complaints in a month and the number of complaints is including the complaint attended during night time.

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Workers

The contractor shall engage minimum one multi skilled worker who knows plumbing also and helper during the day shift on 24x7. However, number of such skilled workers shall be increased based on the requirement without any extra cost. The multi skill worker shall be available beyond general duty time on mobile on any time and need to attend the complaint within four hour if the complaint is urgent. The agency also needs to arrange carpenter or mason or appropriate worker etc. if required to attend the complaint without any extra claim.

Minimum wages for skilled and unskilled manpower as per the Ministry of Labour and Employment, GOI to be paid to the manpower employed including PF, ESI, Bonus etc.

Materials

The materials to attend the complaint shall be issued by KIAL in case the cost of materials to attend each complaint is more than Rs 200/- otherwise the cost shall be borne by the agency within the quoted rate. All such materials which are to be procured by the agency must be available in sufficient quantity at site.

Complaint Register

The agency shall keep a complaint register to note down day to day complaints. The agency's Supervisor shall note the complaints twice/thrice in a day and shall deploy the proper skilled or unskilled worker to attend the complaint then and there. The agency shall also report the weekly status of complaints attended and to be attended to the concerned KIAL engineer.

Measurement

Attending up to 75 complaints including attending complaints in the night shall be measured in the item no:17. If consolidated quantity of attended complaints are more than 75, then each additional quantity shall be measured under item no:17.1

For night work, if quantity per month exceeds 25 numbers, then additional quantity shall be measured under item no:17.1

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The quantity for item no: 17.1 shall be calculated in month for 75 complaints or part thereof and item no:17.1 shall also be calculated in numbers.

Rate

The rate shall include the cost of materials specified in the BOQ and labour required for all the maintenance described above including scaffolding, lead, lift and all taxes etc.

Item No.20

Providing of 1 No SUV Vehicle without driver for a cap of 1500 Km/month on hire basis for the Maintenance Work at Airside Operational Area of Kannur Airport. The rate includes fuel, lubricants and maintenance charges, insurance etc. complete.

Suitable Passenger Airconditioned vehicle (SUV) not older than 2 years either petrol or diesel driven for the movement of the officials during progress of work for checking/controlling the quality of work and other site related activities. The Engineer-In-Charge or his representative shall control the movement of the vehicle.

The rate includes fuel, lubricants, vehicle & maintenance charges, insurance etc. complete. In the event of any breakdown of the vehicle, the contractor has to arrange an alternate vehicle within 24 hours. The vehicle must be available all working days and on holidays also if instructed by the Engineer in Charge.

The vehicles to be provided with fuel in night also in case the work is executed at night time. The ceiling limit for vehicle shall be 1500km per month.

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Reimbursement to the cost of fuel will be applicable to the vehicle provided by the agency in case the fuel cost during the contract exceeds more than 10% over the fuel cost as on 15.10.23. The excess over 10% increase only shall be reimbursed.

The monthly average Km provided by vehicle will be reviewed in every six months. If there is any excess in overall Kms (i.e the Kms for six months above 1500 Kms/month), the extra fuel charge shall also be reimbursed. The fuel consumption shall be worked out as 10km/ litre of fuel. The fuel charge /litre will be average of every six months.

In the event of, failure to provide vehicle or being off the road for maintenance or on account of breakdown, the contractor will provide suitable substitute vehicle immediately within 24 hours. If the contractor fails to provide the vehicle or substitute vehicle as specified above, an amount of Rs. 1500/- per day shall be debited to the contractor's account. The log book for the vehicle to be maintained with day to day checking by KIAL Engineers.

The vehicle owner shall keep all the documents including third party insurance copy to be available in the vehicle.

Rate

The rate shall be for one month for above cited operations.

Item No.14

Providing supporting services at KIAL Engineering offices by deploying required skilled manpower time to time for undertaking services like site level supporting activities, data collection, document preparation, diary/dispatch, computer operation, data entry, MIS preparation, filing, messenger jobs etc. (Minimum one skilled person to be engaged on any working day).

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Minimum one skilled person to be deployed on any working day for undertaking services like site level supporting activities , data collection, document preparation , diary/dispatch , computer operation, data entry, MIS preparation, filing, messenger jobs etc. as and when required.

Minimum wages for skilled manpower as per the Ministry of Labour and Employment , GOI to be paid to the manpower employed including PF, ESI, Bonus etc.

Rate :

The rate shall be for one month for the above cited operations.

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LIST OF APPROVED MAKE – CIVIL WORKS

1	Cement	Malabar, Ultra Tech, Zuari, Ramco, ACC, India Cements , Dalmia or any other approved brand
2	Steel (TMT)	Tata, Vizag, SAIL, TISCO, IISCO or equivalent as approved
3	Structural Steel MS Plates, ISMB Etc.	Tata, Vizag, SAIL, Jindal Steel & Power Ltd , or equivalent as approved
4	Teak Wood	Best Quality Plantation teak
5	Hard Wood	Best Quality treated jack, Sal Wood, Irul, Anjili, Thambakom, Cherutheku
6	Vitrified tile	HR & Johnson, Euro, Kerroges, Nitco, Somany or equivalent as approved
7	Ceramic Tiles	Naveen, Kajaria, Bell, Regency, HR & Johnson, Nitco, Somany or equivalent as approved
8	Cement Concrete floor tiles	Eurocon Tiles, Excello or equivalent as approved
9	Integrated water proofing	India water proofing or equivalent
10	Water proofing compound	Roffe, Fosroc, Sika, Pidilite or equivalent as approved
11	Paint & Primer, Distemper	ICI, Berger, Asian, Jotun or equivalent as approved
12	Water Proof Cement paint	Super Snowcem, Supercem or equivalent as approved
13	Sealers	ICI, Berger, Asian or equivalent as approved
14	Wall Putty	Birla White,NCL, Altek, Berger, ICI or equivalent as approved
15	Primer	Altek, Berger, Asian, ICI , Jotun or equivalent as approved
16	Melamine Polish	Duco, MRF, ICI or equivalent
17	Rolling shutter	Kaniampuram, Jacobs Engg. Works or equivalent as approved
18	Sanitary fittings	Hindware, Cera, Parryware, Tota, Roca or equivalent as approved
19	Plumbing Fixtures	Nova, Jaquar, Kohler or equivalent as approved
20	Polyethylene Storage tank	Sintex or equivalent as approved
21	Door handles	Ozone, Godrej, Dorset or equivalent as approved
22	Door Hinges (Heavy Duty brass oxidized)	Godrej, Ozone or equivalent as approved
23	Auto Closer Hinges	Blum, Hafele, Ozone or equivalent as approved

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24	Draw sliders	Blum, Mepla, Grass, Ozone or equivalent as approved
25	Door closer, Floor Spring	Everite, Dyna, Ozone, Door King or equivalent as approved
26	Anchor Fasteners	HILTI, Fischer or equivalent as approved
27	RCC Hume Pipe	Thuluvilanickal / Thirunelveli Spun Pipe, Michel & Michel or equivalent as approved
28	Gypsum / GYP board false ceiling and suspension system	Saint Gobain – Gyproc, VANS-gypsum, India Gypsum Ltd , Armstrong , Anutone or equivalent as approved
29	MS Pipe & specials	Tata, Zenith, Jindal or equivalent as approved
30	SS Hand Rails	D Line, Sky Port, cochin tech or equivalent
31	Metallic Hardener	Kironite or equivalent as approved
32	Ball bearings	SKF, FAG, KOYO or equivalent as approved
33	Laminate	Formica, Greenlam, National, Century, Decolam or equivalent as approved
34	Plain float glass & Mirror	Saint Gobain, Asahi, Modiguard, Athul or equivalent as approved
35	Marine Plywood & Veneer	Century, Tata Consowood, Kitply, Anchor, Green ply, Apple ply or equivalent as approved
36	Mortice locks, locks, latch	Godrej, Door set, Magnum, Ozone or equivalent as approved
37	Aluminum composite panel	Durabuild, Alcomex (Dongshine), Alucobond, Alubond, Eurobond, Alstrong, Aludecor or equivalent
38	Polycarbonate glass	GE Lexan, Macrolux or equivalent as approved
39	Glass Film	Garware, 3M or equivalent as approved
40	Bison board	NCL or equivalent
41	MP Tiles	Comtrust, Lafarge, Monier or equivalent as approved
42	Aluminium roofing sheet	Rigidal, Kalzip or equivalent as approved
43	Aluminium extrusion sheets	Hindalco or Jindal or any other approved or equivalent as approved
44	Epoxy	Forsroc, STP Ltd, Cera –chem
45	Secondary Reinforcement	Recron 3S or equivalent
46	Silicon Sealant	Dow corning, GE Silicon or equivalent as approved
47	Particle board	Novapan (Exterior Grade) Jacsons (Exterior grade) or equivalent as approved
48	Concealed Cistern	Grohe, Geberit

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49	Epoxy based chemical for anchoring grout	HILTI India Pvt Ltd or equivalent as approved
50	Steel doors & windows	NCL, Alltek & Seccolor Ltd, Madhu Industries , Cutty's Door or equivalent
51	Welding rode	EFFAB, Adwani or equivalent as approved
52	High Performance Glass / Clear Glass/Reflective glass	Saint Gobain, ASAHI India Glass Ltd, Emirates Glass L.L.C or equivalent as approved
53	Toughened Glass Processing	AIS Glass Solutions Ltd or equivalent as approved
54	Perforated Metal Ceiling	Hunter Duglus India Pvt.Ltd, Saint Gobain Gyproc ,India Ltd, Anutone, Armstrong or equivalent as approved
55	Glazed Doors / Automatic Bi-Parting Sliding Door	Dorma GMBH & Co. KG, Kaba Gilgen SA, Geze GmbH or equivalent as approved
56	Fire Rated Doors	Promat International (Asia Pacific) Ltd, Sakti met door, NCL or equivalent as approved
57	Flush & Moulded Doors	Godrej & Boyce Mfg. Co. Ltd, Kuty Flush Doors& Furniture Co. Pvt. Ltd or equivalent as approved
58	Compact Laminate Toilet Cubical And Modesty Pannel	Greenply Industries Limited, Merino Industries ltd or equivalent as approved
59	Synthetic Marble	Asian Granito India Ltd, EURO CERAMICS LTD or equivalent as approved
60	Multicell Polycarbonate Sheet	Dan Pal (India) Private Limited, PALRAM INDUSTRIES or equivalent as approved
61	Protective Paints	AkzoNobel, Jotun India Private Limited, Berger Paints India Limited, Asian Paints Ltd or equivalent as approved.
62	Tile Adhesive / Solid Epoxy Grout	Bal Endura Adhesives (India) Pvt. Ltd, Toyo Ferrous Crete (P) Ltd, Pidilite Industries Limited Ltd or equivalent as approved.
63	Aluminum Structural Members	Hindalco Industries Ltd, Jindal Aluminium Ltd, Indalco Alloys or equivalent as approved.
64	U-PVC Door/Windows/Ventilators	Fenesta Building System, CAPTIV TECHNO ENTERPRISES or equivalent as approved.
65	Corian	Dupont or equivalent as approved.
66	Soft Board	Celotex or equivalent as approved.
67	Lacqured Glass	Celotex, Saint Gobain or equivalent as approved.
68	Hermetically sealed double glazing	Saintgobain, Asahi or equivalent as approved.
69	Textured Paint	Oikos, Spectrum or equivalent as approved.

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70	Automotive Paint	DUCO, ICI or equivalent as approved.
71	Anti-Termite Paint	Wood care, Wood Guard or equivalent as approved.
72	Patch Fittings	Dorma, Savex, Niki or equivalent as approved.
73	Cabinet Handles(96mm)	Kich, CHH 84 S, or equivalent as approved.
74	Foam Rubber	U Foam, Kurlon or equivalent as approved.
75	Frosted Film	Birla 3M, Lumar, Ultra Mark or equivalent as approved.
76	Fibre Glass Wool	UP Twiga, KIMCO, Rock wool or equivalent as approved.
77	Vinyl Flooring	Tarkett, Armstrong or equivalent as approved.
78	Vinyl Film for Cladding	Forzone, 3M or equivalent as approved.
79	GI Section for Partitions & False Ceiling	India Gypsum or equivalent as approved.
80	False Flooring	United Insulation, Tesco, Unitile or equivalent as approved.
81	Aluminium Skirting	Bottom Line, Tesco or equivalent as approved.
82	Carpet	Interface, Mohwak, Shaw or equivalent as approved.
83	Glass Partitions System	Intact, Deko, Dorma or equivalent as approved.
84	Rockwool	UP TWIGA, Owens Corning, Paramount or equivalent as approved
85	Aluminium Curtain Glazing / Structural Glazing Fabricators	Sherin Hifab Contracts India Pvt Ltd, Sherbrooke aluminium products, Creative Building Solutions Pvt Ltd, GEFAB Façade Solution Private Solution or equivalent as approved (Agencies having experience in similar works will also be considered after approval of AAI by submitting experience certificates & other relevant documents as per AAI norms i.e. of having executed similar one work of 80% of value of aluminium / glazing work as in agreement or two works of 50% value or three works of 40% value. In case of non-government works TDS certificate for the entire value, client certificate & performance certificates will be required to be submitted.)

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LIST OF APPROVED MAKE - ELECTRICAL

Scope

The scope of this section covers the recommended makes of equipment, material components. The final choice of makes shall be indicated at the time of finalization of order.

The makes of material offered by the contractor shall be indicated at the space provided for proper evaluation of the offer and shall be one of the recommend makes. In the absence of such indication, the decision rests with the Purchaser/consultant.

Makes recommended

The makes of material recommended are exhibited in respective section. The offers shall be strictly on the basis of the makes recommended.

Where specified make and model nos. are indicated in the schedule of quantities, the bidder should quote for the same items.

Sl. No	Description	Makes	Remark
1	LT PANELS / BUS DUCT	a) C&S / L&T / SIEMENS / ABB / GEPOWER (SPECTRA) / SCHNEIDER / UNILEC / JACKSON / MILESTONE / GODREJ / ADLEC / TRICOLITE / SUDHIR / NEPTUNE / INCOTECH Engg. (P) Ltd. subject to having valid CPRI Certificate of required Fault Level & IP Level protection at the time of placing order. b) by any panel manufacturer who manufactures the panel as per IEC 60439-1 and possess CPRI certificate for specified fault level and IP level protection with prior approval of officer not below Project Engineer (E).	CATEGORY I

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		c) ABB, SCHNEIDER, SIEMENS, L&T, GE or Type tested Panel manufacturer as per IEC 61439-1&2)	
2	SANDWICH BUS DUCT	GE, L & T, GODREJ/C& S/SCHNEIDER / MEGADUCT (L&T) / MOELLAR (Imported) / HONIKOWN (Imported) / LEGRAND / EAE	CATAGORY 2
3	AIR CIRCUIT BREAKERS	L & T/G.E POWER / SIEMENS/ ABB / SCHNEIDER	CATEGORY 2
4	SF6 CIRCUIT BREAKER	L&T/ABB/C&S/BHEL/CROMPTON GREAVES/KIRLOSKER/ SIEMENS / SCHNEIDER	CATEGORY 2
5	MOULDED CASE CIRCUIT BREAKERS	L & T/ SIEMENS/ SCHNEIDER/ GE POWER/ ABB /LEGRAND /ANDREW YULE / HPL / BCH / HAVELLS	CATEGORY 2
6	CHANGE OVER SWITCH / FUSE DISCONNECTOR SWITCH / SWITCH FUSE UNITS	L & T / SIEMENS / GE POWER / ABB / INDO ASIAN/ SCHNEIDER / CONTROL & SWITCH GEAR / HAVELLS / STANDARD / SOCOMEC / LEGRAND BENLO/ HH ELCON / INDOASIAN	CATEGORY 2
7	HRC FUSES	L & T/ GE POWER / SIEMENS / ABB / CONTROL & SWITCHGEAR / INDO ASIAN / HAVELLS / STANDARD	CATEGORY 4
8	AMMETER, VOLTMETER,	AE / MECO / UNIVERSAL / RISHAB / CONSERVE / L&T/ SIEMENS / SCHNEIDER / SOCOMEC / SECURE / MEEGER	CATEGORY 3
9	KWH, PF, FREQUENCY METER	L & T / HAVELLS / BHEL / SIMCO / UNIVERSAL / JAIPUR METERS / AE / HPL / INDIA METER / AREVA / AE / MECO / SCHNEIDER / SECURE / SOCOMEC / HPL / L&T / ABB / SIEMENS / CG / RISHAB / IMP / TRINITY / ELMEASURE / CONSERVE / HPK / SECURE / MEEGER	CATEGORY 3

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10	DIGITAL METERS / INTELLIGENT MULTIFUNCTIONAL DIGITAL METER	CONSERVE / SIEMENS / SOCOMEC / NEPTUNE / HPL / L&T / TRINITY / SCHNEIDER / MOTWANI / RISHAB/ ELMEASURE (The approved makes by OEM of HT / LT Panel shall be permitted) / SECURE / MEGGER	CATEGORY 3
11	TRIVECTOR METER	SUNCO / JAIPUR / IMP / L&T / RISHAB	CATEGORY 2
12	SELECTOR SWITCH, PUSH BUTTON SWITCH / EMERGENCY SWITCH	KAY CEE / CONTROL & SWITCH GEARS / L&T / GE POWER / SIEMENS / BCH / SCHENIDER / ROCKWELL (ALLENBRADLEY)/ TEKNIC / RECO. (The approved makes by OEM of LT/HT Panel shall be permitted)	CATEGORY 4
13	LED INDICATION LAMPS	AE / C&S / VINAY LED / EASUN / TEKNIC / C&S / CONCORD / KAY CEE / SIEMENS / VAISHNOV / L&T/ SCHENIDER / ROCKWELL (ALLEN BRADLEY) / PREFIFINE / BCH (The approved makes by OEM of HT /LT Panel shall be permitted).	CATEGORY 3
14	CT's/PT's	MEGAWIN/AE / KAPPA / UNIVERSAL / KAYCEE / IMP/ C &S / L&T/ MECO/ KAPCO /CROMPTON GREAVES /PRAGATI /IAE/INTRANS(The approved makes by OEM of HT / LT Panel shall be permitted).	CATEGORY 3
15	PROTECTIVE RELAYS	AREVA / EASUN REYROLLE / L&T / ABB / SIEMENS/GE, SCHNEIDER, ALSTOM, DEIF, WOODWARD, EASY GEN./MEGAWIN/GE POWER	CATEGORY 2
	<u>TRANSFORMERS</u> (a) TRANSFORMER UP TO 630 KVA	CROMPTON GREAVES / AREVA / VOLT AMP/ KIRLOSKAR /ANDREW YULE /ABB/TELK/BHEL/SCHNEIDER/KEL/ANDREW YULE	CATEGORY 1

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16	(b) TRANSFORMER MORE THAN 630 KVA	CROMPTON GREAVES / AREVA/ KIRLOSKAR / SIEMENS /SCHNEIDER/ANDREW YULE / BHEL /ABB/ VOLT AMP/TELK/KEL/ANDREW YULE	CATEGORY 1
	c) DRY TYPE TRANSFORMER	CROMPTON GREAVES / AREVA / KIRLOSKAR / BHEL/ ABB/VOLT AMP/SCHNEIDER	CATEGORY 1
17	11 KV OR 33 KV HT PANEL WITH VCB	AREVA / CROMPTON GREAVES / SIEMENS /ABB / SCHNEIDER / KIRLOSKER	CATEGORY 1
18	11 KV OR 33 KV HT PANEL WITH SF6 CIRCUIT BREAKER	ABB / BHEL / CROMPTON GREAVES / KIRLOSKER / SIEMENS/ SCHNEIDER	CATEGORY 1
19	a) H.T/LT TERMINATION & JOINTING KIT.	RAY CHEM / M-SEAL / CAB SEAL /ANDREW YULE/ MAHINDRA / DENSON /COMPAQ/BIRLA-3M/ MULTISHRINK	CATEGORY 3
	b) 660 VOLT GRADE STRANDED UNSHEATHED WIRE WITH COPPER CONDUCTOR	FINOLEX/RR KABEL/L&T/LAPP KABEL	CATEGORY 2
	c) CABLES GLANDS, LUGS, END TERMINATION KITS	COMET / DOWELLS / ELECTROMAC / BRACO / HMI/ MCI / (METAL / CRAFT) LAPP KABEL/SIEMENS/GRIPWEL/DENSON, MULTIPRESSINGS/YAMUNA GASSES	CATEGORY 3
	d) LUGS & THIMBLES	DOWELLS / JOHNSONS/COMET/ASCON/LAPP KABEL/GRIPWEL/HMI/DENSON/ MULTIPRESSINGS/YAMUNA GASSES	CATEGORY 4

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20	a) ABOVE 11KV XLPE INSULATED PVC SHEATHED CABLES (ISI MARKED)	GLOSTER (Kolkata, Hyderabad) / UNIVERSAL (Satna) / CCI (Bangalore) / RPG (ASIAN) (Mumbai) / TORRENT (Nadiad)/ ICL (Rajpura) FINOLEX (Pune)/HAVELLS	CATEGORY 1
	b) ABOVE 1.1 KV AND UP TO AND INCLUDING 11KV XLPE INSULATED PVC SHEATHED CABLES (ISI MARKED)	CCI (Bangalore) / GLOSTER (Kolkata, Hyderabad)/UNIVERSAL(Satna) / RPG (ASIAN) (Mumbai) / HAVELLS (Rajasthan) / INDUSTRIAL CABLES (Rajpura) / TORRENT (Nadiad) /FINOLEX (Pune)(Dhaman)	CATEGORY 1
	c) UP TO AND INCLUDING 1.1 KV XLPE INSULATED PVC SHEATHED CABLES (ISI MARKED)	CCI (Bangalore) / GLOSTER(Kolkata, Hyderabad)/UNIVERSAL (Satna) /RPG (ASIAN) (Mumbai) / HAVELLS (Rajasthan) / INDUSTRIAL CABLES (Rajpura) / TORRENT (Nadiad)/FINOLEX (Pune) In case of non-availability of the above makes other ISI make cable shall be opted with the approval of engineer, not below Project Engineer(E).	CATEGORY 1
	d)Control cables (ISI MARKED)	CCI (Bangalore) / GLOSTER (Kolkata, Hyderabad) / NICCO (Shyam Nagar, WB) /UNIVERSAL (Satna) /RPG (ASIAN) (Mumbai) / HAVELLS (Rajasthan) / INDUSTRIAL CABLES (Rajpura) / TORRENT(Nadiad) / In case of non availability of the above makes other ISI make cable shall be opted with the approval of engineer, office not below DGM ENgg. FINOLEX(Pune)/GEMCAB (Hyderabad) / HINDUSTAN VIDYUT PRODUCT LTD (Faridabad)/POLYCAB (Dhaman) /FINOLEX (Pune) / KEI (Delhi) /ALOE (ANKUR TECHNOCRAT) /AVOCAB (Ahmedabad) /SKYTONE(Faridabad)	CATEGORY 1
22	SYNTHETIC INSULATING MATS	ISI marked & CPRI certified for required voltage level.	CATEGORY 2

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21	PRE FABRICATED CABLE TRAY/GI CABLE TRAY	LEGRAND/L&T/PILCO / INDIANA / VENUS / STEELITE / SADHANA ENG / TECHNAD ENG./ MM ENGG./ POWER CAB / NEPTUNE/ RICOSTEEL / PROFAB ENGG./ SLAT CO. Any other make other than prescribed can be approved by TS authority.	CATEGORY 3
22	CAPACITOR BANK (ISI MARKED)	GE POWER / VOLTAS / BHEL / KHATAU ZANKAR / USHA /L&T / NEPTUNE / ABB/LEGRAND/SCHNEIDER	CATEGORY 2
23	LIGHTNING ARRESTORS	LAMCO / ELARO / INTERNATIONAL / ATLAS / AREVA / OBLUM / ALPRO / WS IND./ JAIPURIA / JAYSHREE	CATEGORY 3
24	ADVANCED LIGHTNING ARRESTER (EARLY STREAMER EMMISSION TYPE / ONLINE SURGE ARRESTER)	INDELEC / ERICO / ABB/DUVAL MASSIAN / PHEONIX / TERCEL / FRANKLIN	CATEGORY 3
25	SURGE PROTECTION DEVICES	FINDER/L&T/LEGRAND/DEHN	CATEGORY 3
26	DIESEL ENGINE	KOEL/ASHOK LEYLAND / GREAVES / CUMMINS /CATERPILLAR / MTU / VOLVO PENTA.MITSUBISHI/MTU/PERKINS	CATEGORY 1
27	ALTERNATOR	KIRLOSKAR/JYOTI / CROMPTON GREAVES / NGEF/ KEL /STAMFORD /LEROYSOMER	CATEGORY 1
28	BATTERIES	EXIDE / KIRLOSKAR/AMCO / AMARON /STANDARD FURUKAWA / LUCAS	CATEGORY 3
29	SMF BATTERIES	EXIDE/HBL	CATEGORY 3

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30	MCB, ISOLATORS(ISI) MARKED MCB DBS	L & T (HAGER) / SIEMENS / INDO ASIAN / SCHNEIDER / STANDARD / HAVELLS / GE/CONTROL & SWITCHGEAR/ LEGRAND / HPL	CATEGORY 2
31	MCB DISTRIBUTION BOARDS	LEGRAND/L&T/SIEMENS/HAGER/HAVELLS	CATEGORY 2
32	RCCB(ISI MARKED) MCB, RCCB, RCBO	SIEMENS / SCHNEIDER / HAVELLS / INDO ASIAN / GE/CONTROL & SWITCHGEAR / LEGRAND/STANDARD/LEGRAND/SIEMENS/L&T/ HAGER	CATEGORY 2
33	MS CONDUIT	ISI MARKED.	CATEGORY 3
34	PVC CONDUIT	BEC /AKG /POLYPACK/PRECISION /MIHIR/PRECISION/CLIPSAL/LAPPKABEL/DIAMOND/KONSEAL	CATEGORY 3
35	GI CONDUIT	ANY ISI MARKED.	CATEGORY 3
36	DOUBLE WALL CORRUGATED PIPE	ISI MARKED	CATEGORY 3
37	INDUSTRIAL SOCKET IN SHEET STEEL ENCLOSURE WITH MCB	MDS (LEGRAND) / INDO ASIAN / CROMPTON / BCH / SCHNEIDER / HAVELLS / CONTROL SWITCHGEAR.	CATEGORY 4
38	INSTRUMENTATION CABLE	SKYLINE/DELTRON/METRO	CATEGORY 2
39	SWITCH, TV & TELEPHONE SOCKET & BOXES (MODULAR TYPE).	MK / SSKAY / HAVELLS (CRABTREE) / ANCHOR / NORTH WEST / CLIPSAL / INDO ASIAN / MDS LEGRAND (MOAIC).	CATEGORY 3

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40	PIANO TYPE SWITCHES/ SOCKETS (ISI MARKED).	MK / SSKAY / HAVELLS / ANCHOR / NORTH WEST / CLIPSAL/ WESTERN VEGA	CATEGORY 3
41	CSS ENCLOSURE	CG/SCHNEIDER/ABB/L&T/C&S/KIRLOSKAR	CATEGORY 1
42	HT RMU	CG/SCHNEIDER/ABB/SIEMENS	CATEGORY 1
43	STARTERS, TIMER & CONTACTORS	SIEMENS/FINDER/INDO ASIAN/L&T/SCHNEIDER/LEGRAND/ABB/GE POWER/EPCOS/C&S/ANDREW YULE	CATEGORY 3
44	PUSH BUTTONS	SCHNEIDER/SIEMENS/L&T/BCH	CATEGORY 4
45	BATTERY CHARGER	WAVES/HBL/AMARARAJA	CATEGORY 3
46	LED LIGHT FITTINGS	PHILIPS/WIPRO/CROMPTON GREAVES/OSRAM/GE	CATEGORY 2
47	MODULAR TYPE SWITCHES, SOCKETS, BELL PUSH, FAN REGULATOR ETC-MEDIUM RANGE	CRAB TREE(ATHENA)/MK INDIA (BLENZ), LEGRAND(MYRIUS)/WIPRO (NORTH WEST)/ ANCHOR PANASONIC (WOODS, ROMA VIOLA)/MK(ASPECT)/SCHNEIDER(NEOC-METRO)/SEIMENS (DELTA) ANCHOR PANASONIC (AVE)	CATEGORY 3
48	LED DRIVER	OSRAM/PHILIPS/WIPRO/GE	CATEGORY 2
49	LED	OSRAM/CREE/NICHIA/PHILIPS/WIPRO/GE	CATEGORY 2
50	OCCUPANCY SENSOR	WIPRO/PHILIPS/CG	CATEGORY 2
51	METALCLAD PLUG/SOCKET/D ECONTACTOR	RR/LEGRAND/MENNEKES.	CATEGORY 3
52	APFC PANEL	EAP/TRICOLITE/SHREEM/L&T/ADLEC/LEGRAN D/EPCOS/C&S/NEPTUNE/ SCHNEIDER	CATEGORY 1

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53	LIGHTNING CONDUCTOR	OBO BETTERMANN/DEHN	CATEGORY 3
54	FRP CABLE TRAY, PANEL BOARD	ERCON/SUMIP	CATEGORY 3
55	CEILING FANS/WALL FANS	USHA/CROMPTON/KHAITHAN/BAJAJ/ORIENT/ALMONARD/ORIENT / GEC /POLAR /HAVELLS	CATEGORY 3
56	EXHAUST FANS/VENTILATING FANS	ALMONARD/CROMPTON/KHAITAN/BAJAJ/GEC	CATEGORY 2
57	INDUSTRIAL SOCKET WITH SHEET STEEL ENCLOSURE WITH MCB	LEGRAND/SCHNEIDER/L&T	CATEGORY 4
58	UPS	EMERSON/SOCOMEK/APC/NUMERIC	CATEGORY 2
59	STREET LIGHT POLES	SCHREDER/BAJAJ/KLITE/CG	CATEGORY 3
60	DALI DIMMING CONTROL	PHILIPS/WIPRO/SCHNEIDER	CATEGORY 2
61	GI UNDER FLOOR TRUNKING / METALLIC POP UP OUTLET	LEGRAND/MK/OBO BETTERMANN	CATEGORY 3
62	UNPERFORATED CABLE TRAY/ PVC UNDER FLOOR DUCT	PANDUIT/OBO BETTERMANN/COOPER B LINE/LEGRAND	CATEGORY 3
63.LIGHT FIXTURE			

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A	TERMINAL BUILDING(Passenger area)	CROMPTON / PHILLIPS/ BAJAJ/ WIPRO/ GE/ THORN (UK)/ SCHREDER (BELGIUM) / REGENT (SWITERLAND)/ REGGIANI (ITALY)/ TRILUX(GERMANI) / ZUMTOBEL(AUSTRIA) /GEWISS (ITALY)/INTERCRAFT (SWITERLAND)/REGILUX (GERMANI) /AEOC (ITALY)/LICHT(DURLUM)	CATEGORY 2
B	TERMINAL BUILDING(non Passenger area)	CROMPTON / PHILLIPS/ BAJAJ/ WIPRO/ GE/ THORN (UK)/ SCHREDER(BELGIUM) / REGENT (SWITERLAND)/ REGGIANI(ITALY)/ TRILUX(GERMANI) / ZUMTOBEL(AUSTRIA) /GEWISS (ITALY)/INTERCRAFT (SWITERLAND)/REGILUX (GERMANI) /AEOC (ITALY)/ LICHT(DURLUM)/C&S GROUP/SOLAR/KESELEC	CATEGORY 2
C	ANCILLARY BUILDING/ RESIDENTIAL BUILDING/ OUTDOOR AND OTHERS	CROMPTON / PHILLIPS/ BAJAJ/ WIPRO/ GE/ THORN (UK)/ SCHREDER(BELGIUM) / REGENT (SWITERLAND)/ REGGIANI(ITALY)/ TRILUX(GERMANI) / ZUMTOBEL(AUSTRIA) /GEWISS (ITALY)/INTERCRAFT (SWITERLAND)/REGILUX	

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		(GERMANI) /AEOC (ITALY)/ LICHT(DURLUM)/C&S GROUP/SOLAR/SURYA/KESE LEC/HAVELLS/ASIAN REYMOND	
64.LAMP FOR FITTING			
A	TERMINAL BUILDING(Passenger area)	PHILIPS/GE/ BAJAJ/OSRAM/ WIPRO/ CROMPTON/THRON / SCHREDER / REGENT / REGGIANI / GEWISS /REGIOLUX / AEOC / LIGHT (DURULUM)	CATEGORY 4
B	TERMINAL BUILDING(non Passenger area)	PHILIPS/GE/ BAJAJ/OSRAM/ WIPRO/ CROMPTON/THRON / SCHREDER / REGENT /TRILUX/ REGGIANI / GEWISS /REGIOLUX / AEOC / LIGHT (DURULUM) / C & S GROUP / SOLAR	CATEGORY 4
C	ANCILLARY BUILDING / RESIDENTIAL BUILDING / OUTDOOR AND OTHER	PHILIPS/GE/ BAJAJ/OSRAM/ WIPRO/ CROMPTON/THRON / SCHREDER / REGENT /TRILUX/ REGGIANI / GEWISS /REGIOLUX /AEOC / LIGHT (DURULUM)	CATEGORY 4
65	AVIATION WARNING LIGHT /OBSTRUCTION LIGHT (LOW/MEDIUM/HIGH INTENSITY)	MANUFACTURERS WHO MEET ICAO REQUIREMENTS	CATEGORY 3

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66	EMERGENCY LIGHT (PORTABLE).	ABB/BPL / SANYO	CATEGORY 3
GROUND LIGHTING ITEMS			
1	ELEVATED RUNWAY/TAXIWAY/ APPROACH LIGHT FITTINGS	MANUFACTURERS WHO MEET ICAO REQUIREMENT FOR ISO CANDELA AS SPECIFIED IN ANNEXURE- 14	CATEGORY 1
2	LED BASED TAXIWAY FITTINGS(INSET/ELEVATED)	MANUFACTURERES WHO MEET ICAO REQUIREMENT FOR ISO CANDELA AS SPECIFIED IN ANNEXURE- 14	CATEGORY 1
3	INSET TYPE LIGHT FITTINGS	MANUFACTURERS WHO MEET ICAO REQUIREMENT FOR ISO CANDELA AS SPECIFIED IN ANNEXURE- 14	CATEGORY 1
4	PAPI	MANUFACTURES WHO MEET ICAO REQUIREMENT VIZ. ADB/ SAFEGATE/SIEMENSTHORN /IDMAN/CROUSE HINDES	CATEGORY 1
5	LENSES/FILTERS	THORN/IDAM- OY/CEGELEC/ADB/ ERNI/YOUYANG OR AS RECOMMENDED BY OEM.	CATEGORY 1
6	LAMPS(T-14,T-10 SPHERICAL)	JS LAMPS/KOILITE/PHILIPS	CATEGORY 3
7	LAMPS(HALOGEN)	OSRAM/PHILIPS/YOUYANG OR AS RECOMMENDED BY OEM.	CATEGORY 3

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8	ISOLATING TRANSFORMERS	BILDAL/THORN/IDMAN- OY/CEGELEC/ADB/YOUYAN G	CATEGORY 1
9	CONSTANT CURRENT REGULATORS	HIND RECTIFIER/AMA/NASU/THO RN/IDMAN- OY/CEGELEC/ADB/YOUYAN G	CATEGORY 1
10	5 KV GRADE AIRFIELD LIGHTING CABLE	MANUFACTURER HAVING 11 KV GRADE ISI MARKED CABLES	CATEGORY 1
11	PLUGS&RECEPTACLE	AMA/VASANTH/BILDAL/ YOUYANG	CATEGORY 2

HVAC EQUIPMENTS

Sl. No	Description	Makes	Remark
1	PRIMARY PUMPS	KIRLOSKAR / BEACON / MATHER & PLATT / GRUNDFOSS / ARMSTRONG / CROMPTON / WASP / JYOTI /VOLTAS / GREAVES	CATEGORY 3
2	SECONDARY PUMPS	ITT BELL & GOSSETT / GRUNDFOSS / ARMSTRONG / CROMPTON / WASP / JYOTI / VOLTAS / GREAVES	CATEGORY 3
	CONDENSER PUMPS	ITT BELL & GOSSETT / GRUNDFOSS / ARMSTRONG / CROMPTON / WASP / JYOTI / VOLTAS / GREAVES	CATEGORY 3

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3	AIR HANDLING UNITS	CARRIER / VOLTAS / CARYAIRE / SYSTEMAIR / ZECODAIKIN / KIRLOSKER / TRANE / LG / YORK / CLIVET / BLUE STAR/ CLIMAVENETA / DUNHAMBUSH	CATEGORY 1
4	FRESH AIR HANDLING UNITS WITH HRW	CARRIER / BLUE STAR / VOLTAS / CARYAIRE / SYSTEMAIR / DRI/ZECO	CATEGORY 1
	FAN COIL UNIT	DAIKIN / EDGETECH / STULZ / TRANE / YORK CARYAIRE / CARRIER	CATEGORY 2
5	a)VRV / VRF AIRCONDITIONING SYSTEM	LG / DAIKIN / TRANE / BLUE STAR / TOSHIBA / VOLTAS	CATEGORY 2
6	M.S.PIPES / G.I PIPE	PRAKASH SURYA / TATA / HSL / SAIL / JINDAL- HISSAR	CATEGORY 2
7	GI SHEET	TATA/ HSL/ SAIL/JINDAL/NIPPON	CATEGORY 2
8	VALVE (BUTTERFLY VALVES / GUN METAL VALVES (GATE, GLOBE).)	CRANE / JHONSON CONTROL / KIRLOSKR / LEADER/SANT/ADVANCED/C& R/CASTLE/ADVANCE/ ECONOSTO/L&T/KILBURN / AUDCO/ SARKAR /ECONOSTO/JCI /LEADER/DIVINE	CATEGORY 2
9	AXIAL FLOW FAN' INLINE FAN' VENTILATION FAN' PROPELLAR FAN	NICOTR/CARYAIRE/GEC/ALMONAR D/KHAITAN/ACCEL/CROMPTON	CATEGORY 2
10	MOTOR'PUMP STARTER	ABB/C&S/SIEMENS/SCHNEIDER/L&T /CUTLER HAMMER/ GE POWER/ABS	CATEGORY 2
11	SINGLE PHASING PREVENTOR/ OVER LOAD PROTECTION UNIT	L&T/GE POWER/SIEMENS/MINILEC/ABB	CATEGORY 3
12	BALANCING VALVE	JOHNSON CONTROL / ADVANCE / SANT /	CATEGORY 2

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		CASTLE/ECONOSTO/JCI/FLOWCON/T&A	
13	MOTORISED BUTTERFLY VALVE	BELIMO /HONEYWELL/INVENSYS/JOHNSON CONTROL/SIEMENS	CATEGORY 2
14	C.I DOUBLE FLANGED SLUICE VALVES & CHECK VALVES	KIRLOSKAR / LEADER / SANT / KILBURN / AUDCO/ SARKAR / ADVANCE/ECONOSTO/JCI/T&A	CATEGORY 2
15	BALL VALVES	ECONOSTO/JCI /CIM /FESTO	CATEGORY 2
16	SUCTION STRAINER/POT/ Y STRAINER	LEADER / SANT / EMERALD ENTERPRISES/ADVANCE/KIRLOSKAR/ECONOSTO/JCI /RAPIDCOOL//FESTO	CATEGORY 2
17	CI DOUBLE FLANGED NON - RETURN VALVES.	KIRLOSKAR / LEADER / SANT / KILBURN /AUDCO SARKAR / ADVANCE / DIVINE / CASTLE	CATEGORY 2
18	GRILLES/ DIFFUSERS	RUSKIN TITUS /MAPRO (AIRFLOW) /CARYAIRE / AIRMASTER / VINAYAGA/ MATASYS CORPORATION / AJANTA / RAVI STAR/BETEC CAD/SYSTEMAIR	CATEGORY 3
19	AIR CURTAIN	ALMONARD / BECON / TECHNOMECH / RUSSEL /AERODYNAMICS/SYSTEMAIR/ALMONARD/KRUGER	CATEGORY 2
20	FOOT VALVE	ANY BRAND WITH ISI MARK.	CATEGORY 2
21	INSTALLATION VALVE(ISI MARKED).	SPRAY SAFE / HD.	CATEGORY 3
22	STARTERS	SIEMENS / L & T / CUTLER HAMMER / GE POWER / ABB/CONTROL & SWITCHGEAR	CATEGORY 2

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23	SUBMERSIBLE PUMPS (VERTICAL/HORIZONTAL)	KSB/KIRLOSKAR/KALAMA/AMRUT/P EC/BE / SUGUNA/MATHER AND PLAT	CATEGORY 3
24	SINGLE PHASING PREVENTOR/ OVER LOAD PROTECTION UNIT.	L & T / GE POWER / SIEMENS / MINILEC / ABB	CATEGORY 3
25	INSULATION MATERIAL	SUPREME/TROCELLEN/TWIGA/ ARMAFLEX / ALP AEROFLEX/ K FLEX/ PILKINGTON / BEARDSSELL / LLOYDS	CATEGORY 3
26	PRE-FABRICATED GI DUCT	ROLASTAR / DUCTOFEB / ADVANCE/WESTERN AIR/SEVEN STAR/	CATEGORY 3
27	FIRE DAMPERS/VCD	AIR FLOW / RUSKIN / CARYAIRE/TRISTAR	CATEGORY 2
28	MODULATING MOTOR	HONEYWELL /JOHNSON/ STEFA CONTROL /RAPID COOL	CATEGORY 2
29	MODULATING VALVE, SOLENOID VALVE FOR AHU	RAPID COOL / HONEYWELL /JOHNSON/SIEMENS/ ECONOSTO/ SCHNEIDER/ FLOWCON/SAUTER/JOHNSON CONTROLS/BELIMO	CATEGORY 2
30	REFRIGERENT VALVE	BRASMATIC / SANT	
31	FILTERS	HUMIDIN/ DYNA/ KIRLOSKAR/ PUROMATIC/ PURAFILL / THERMODYNE / PURE AIR.	CATEGORY 3
32	THERMOMETERS	WIKA/ JAPSIN / FIEBIG /H.GURU/TAYLOR/EMERALD/ECON OSTO/FEIBIG	CATEGORY 3
33	HP /LP /OFF SWITCH THERMOSTATS/HUMIDISTATS STRIP HEATERS.	JOHNSON CONTROL/PENN / HONEY WELL / INDFOSS / ESCORTS / DASSPASS/DANFOSS / SWIZER	CATEGORY 3

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34	PROPORTIONAL THERMOSTAT	HONEY WELL / JOHNSONS / LANDIS & STEAEFA	CATEGORY 3
35	HDPE TANK	ISI MAKE.	CATEGORY 3
36	PRESSURE GAUGE	H GURU/FIEBIG/JASPIN/BESTOBELL/G ENERAL INSTRUMENTS	CATEGORY 3
37	BUILDING MANAGEMENT SYSTEM (Hardware & Software, Except Computer & Accessories)	JOHNSON CONTROL / DELTA(LOYTEC) / L&T / TRANE / SIEMENS / HONEYWELL	CATEGORY 3
38	VFD	DELTA / L&T/BHARAT BIJLEE / DANFOSS / ALAN BRADLEY / SIEMENS /SEIMENS/SCHNEIDER	CATEGORY 3
39	FIRE DAMPER MOTOR	BALEMO / JUVANTO / SIEMENS	CATEGORY 2
40	MIXING VALVE WITH MOTOR	SIEMENS / JOHNSON CONTROL / HONEYWELL / RAPID COOL	CATEGORY 2
41	SPLIT TYPE AC UNITS.	VOLTAS / BLUE STAR / AMTREX / LG / HITACHI / CARRIER	CATEGORY 2
42	PACKAGED AIRCONDITIONER	HITACHI/ VOLTAS / BLUE STAR / LG / CARRIER AIRCON	CATEGORY 2
43	AIC UNITS(VV NDOW/CASSETTE' TOWER TYPE)	DAIKIN/HITACHI/CARRIER/MITSHU BISHI/LG	CATEGORY 2
44	PRECISION AIR CONDITIONING	STULZ/CLIMAVENT A	CATEGORY 3
45	CABINET FANS	GREENHECK/SYSTEMAIR/OSTBERG/ KRUGER	CATEGORY 2
46	ELECTRIC MOTORS	ABB/CROMPTON/KIRLOSKAR/ GEC/SIEMENS	CATEGORY 2
47	FLEXIBLE PIPE CONNECTIONS	RESISTOFLEX /ECONOSTO/CORI /EASYFLEX	CATEGORY 2

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48	THERMOSTATS FOR AHUS	FINDER/DANFOSS/HONEYWELL/JOHNSONS/LANDIS&STEAEFA/PFNN/INDFOSS/ESCORTS/DASSPASS/SWIZER/SIEMENS/ HONEYWELL/SCHNEIDER/ BELIMO/ ECONOSTO	CATEGORY 3
49	FLOW SWITCH	RAPIDCOOL/DANFOSS/SIEMENS	CATEGORY 2
50	AIR VENTS	RAPIDCOOL/ANERGY/ECONOSTO	CATEGORY 2
51	FLEXIBLE DUCT CONNECTOR	MAPRO/EASYFLEX/RESISTOFLEX	CATEGORY 2
52	GASKETS	NEOPRENE RUBBER	CATEGORY 2
53	ADHESIVES	FEVICOL / SUPERLON	CATEGORY 2
54	VIBRATION ISOLATOR	KINETICS/RESISTOFLEX/DUNLOP/EASYFLEX /FLEXIONICS	CATEGORY 2
55	EXPANSION TANK	ANERGY/K.D AGENCIES/BELL&GOSSET/ PNEUMATEX	CATEGORY 3
56	PRESSURISATION UNIT	ANERGY/K.D AGENCIES/BELL&GOSSET/PNEUMATEX	CATEGORY 3
57	CHEMICAL DOSING	THERMAX/IONEXCHANGE/NALCO	CATEGORY 3
58	EXHAUST FANS	GREENHECK/SYSTEMAIR/NICOTRA/KRUEGER	CATEGORY 2
59	FIREWRAP/PAINT	3M/HILTI/PROMAT	CATEGORY 2
60	SOUND ATTENUATOR	CARYAIRE/MAPRO/TROX /SYSTEMAIR/GREENHECK	CATEGORY 2
61	DX UNITS	CARRIER/YORK/TRANE/ BLUE STAR / VOLTAS	CATEGORY 2
62	STABILISER	V-GUARD/EVEREST/VIGIL	CATEGORY 2
63	WELDING ELECTRODES (GR.6013)	ADVANI /ESSAB	CATEGORY 3
64	ANCHOR FASTENER	FISCHER/HILTI	CATEGORY 3

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65	FIRE SEALANT & PAINT	BIRLA /3 M /HILTI	CATEGORY 3
66	BTU METER	KRONE MARSHALL /KEMSTRUP /SIEMENS /ONICON / YOKOGAWA	CATEGORY 3
67	COPPER PIPE	MAKSAL/MUELLER/TOTALINE	CATEGORY 2
68	REFRIGERANT PIPE INSULATION	TOTALINE/K- FLEX/ARMAFLEX/AEROFLEX	CATEGORY 3
69	3 WAY VALVES	SIEMENS/ HONEYWELL/ ECONOSTO/ SCHNEIDER/ FLOWCON/SAUTER/JOHNSON CONTROLS/BELIMO	CATEGORY 2
70	TEST POINTS	RAPIDCOOL/ANERGY/ECONOSTO	CATEGORY 3
71	SCRUBBERS	HALTON/RYDAIR/TRION/EDGETEC H/SYSTEMAIR	CATEGORY 1
72	SMOKE EXTRACT AXIAL FANS	GREENHECK/OSTBERG/SYSTEMAIR/ KRUGER	CATEGORY 2
73	AIR CURTAIN	ALMONARD/BECON/TECHNOMECH /RUSSEL/AERODYNAMICS/SYSTEMA IR/KRUGER	CATEGORY 2
74	FLEXIBLE INSULATED DUCTS	ATCO/SEVEN STAR/SUPAFLEX	CATEGORY 3
75	WATER SOFTNER	THERMAX/IONEXCHANGE/NALCO	CATEGORY 3
76	ACTUATORS	HONEYWELL/SIEMENS/BELIMO	CATEGORY 3
77	HYDRONIC CASSETTE UNITS	CARRIER/DAIKIN/CARY AIR/YORK	CATEGORY 1
78	AIR SEPARATORS	ANERGY/K.D AGENCIES/ BELL&GOSSET	CATEGORY 3
79	UPVC PIPES	SUPREME/FINOLEX/HYCOUNT/SAR OPLAST/	CATEGORY 3

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LIST OF APROVED MAKES -FIRE DETECTION AND ALARM SYSTEM

Sl.No	Description	Makes	Remark
1	FIRE/ SMOKE & HEAT DETECTOR WITH BASES (UL APPROVED)	APPOLO /BOSCH/SYSTEM SENSOR / MORLEY IAS /SIEMENS/ SIMPLEX/ NOTIFIER/ HONEYWELL/ EDWARDS (ALL UL/FM APPROVED)	CATEGORY 2
2	BEAM DETECTOR	SIEMENS/ SIMPLEX/ NOTIFIER/ HONEYWELL/ FIRE RAY/ EDWARDS	CATEGORY 2
3	FIRE ALARM PANEL / REPEATER PANEL	APOLLO/AUTRONICA (UTC) / EDWARDS(UTC) / SIEMENS/ BOSCH / SYSTEM SENSOR*/MORLEY IAS*/ HONEYWELL*/ GROUP4*/ MATHER&PLATT / MINIMAX*/SIMPLEX/ NOTIFIER/ EDWARDS (ALL UL/FM APPROVED)	CATEGORY 2
4	MANUAL CALL POINT	APPOLO /BOSCH/SYSTEM SENSOR / MORLEY IAS/ MINIMAX/GROUP 4	CATEGORY 2
5	MODULES/ SOUNDER CUM STROBE	SIEMENS/ SIMPLEX/ NOTIFIER/ HONEYWELL/ EDWARDS (ALL UL/FM APPROVED)	CATEGORY 2
6	HOOTER / RESPONSE INDICATOR (UL APPROVED)	APPOLO / EDWARDS(UTC) / SIEMENS/ BOSCH / SYSTEM SENSOR*/MORLEY IAS*/ GROUP4*/ MINIMAX*	CATEGORY 2
7	GRAPHICAL SOFTWARE	SIEMENS/ SIMPLEX/ NOTIFIER /LAURA SOFT/ HONEYWELL	CATEGORY 3
8	PA SYSTEM FOR FIRE ALARM SYSTEM	APPOLO / SIEMENS/ BOSCH / AHUJA / PHILIPS / MOTWANE.	CATEGORY 3

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9	SPEAKERS	APPOLO / EDWARDS(UTC) / SIEMENS/ BOSCH/NOTIFIRE/BOSE	CATEGORY 3
10	FIRE SURVIVAL CABLE	CMI/ KEI/ BONTON/ POLYCAB/BATRA HENLAY/RR KABLE/WREXHAM FUSION POLYMER&ALL MAKESIN CAT-A	CATEGORY 2
11	POWER SUPPLY UNIT	UNITECK/ SIEMENS/ PROTECK /C SYSTEM/ NOTIFIER/ HONEYWELL	CATEGORY 2
12	FRLSH ARMoured CABLE	FINOLEX/ HAVELLS/ GLOSTER/ RRKABEL/RPG CABLES/ BELDEN	CATEGORY 2
13	OPTICAL FIBER CABLE	AMP / BELDEN / PANDUIT (PAN-NET)/ COMMSCOPE	CATEGORY 2

LIST OF APPROVED MAKE - FIRE HYDRANT, SPRINKLER SYSTEM

Sl.No	Description	Makes	Remark
1	M.S.PIPES / G.I PIPE	PRAKASH SURYA/ TATA/HSL/SAIL/JINDAL/ZENITH	CATEGORY 2
2	GI & MS FITTINGS	TUBE WELD/TUBE PRODUCTS/PUNJAB STEEL/BHARATHFORGE	CATEGORY 2
3	MOTORS	KIROLISKAR / ALSTOM / SIEMENS / JYOTHI / ABB / CROMPTON / NGEF / BHARAT BIJLEE.	CATEGORY 2
4	PUMPS	GRUNDFOS / KIROLISKAR / BEACONS / MATHER & PLATT / CROMPTON / WASP / KSB / JYOTI / BE / VOLTAS / GREAVES / KALAMA / AMRUT /PEC/ BE / SUGUNA/PATTERSON	CATEGORY 2

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5	DIESEL ENGINE	CUMMINS/CATERPILLAR/GREEVESCOTTO N,ASHOK LEYLAND / KRILOSKAR OIL	CATEGORY 1
6	SPRINKLER (UL LISTED)	SPRAY SAFE / HD/TYCO/ RELIABLE/ VICTAULIC/VIKING(UL LISTED)	CATEGORY 2
7	FIRE HYDRANT LANDING VALVES, FIRE BRIGADE CONNECTION (ISI MARKED).	FIRESHIELD / MINIMAX / SAFEX / NEWAGE / VIJAY / SAFEGUARD	CATEGORY 2
8	HYDRANT VALVE, FIRE BRIGADE POINT	MINIMAX / SAFEX / NEWAGE/STEELAGE(MINIMAX)/ SHAH BHOGLAL	CATEGORY 2
9	FIRE HOSE PIPES,FIRST AID HOSE REEL (ISI MARKED)	FIRESHIELD / MINIMAX / SAFEX / NEWAGE/SHAH BHOGLAL/STEELAGE(MINIMAX)	CATEGORY 2
10	BRANCH PIPE, NOZZLE AND COUPLINGS	FIRESHIELD / MINIMAX / SAFEX / NEWAGE/ARIHANT/SHAH BHOGLAL/STEELAGE(MINIMAX)	CATEGORY 2
11	FIRE EXTINGUISHERS	KANEX / FIRE SHIELD/ MINIMAX / SAFEX / SAFE GUARDMINIMAX/SAFEGUARD/LINTEX/BHA RATH/CEASE FIRE.	CATEGORY 2
12	VALVES	INTER VALVE/AUDCO/ ADVANCE/ LEADER	CATEGORY 2
13	FOOT VALVE	KEJRIWAL/KARTAR/NORMEX	CATEGORY 2
14	PRESSURE GAUGE	FIEBIG/H.GURU	CATEGORY 3
15	PRESSURE SWITCH	H.GURU/FEIBIG/ECONOSTO/H.GURE / FIEBIG / JASPIN / BESTOBELL / GENERAL INSTRUMENTS	CATEGORY 2

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16	AIR RELEASE VALVE	RAPIDCOOL/ANERGY/ECONOSTO/EMERALD	CATEGORY 2
17	RRL HOSE	NEWAGE/ ARIHANT/SHAH BHOGILAL/STEELAGE(MINIMAX)	CATEGORY 2
18	CP HOSE	NEWAGE/SHAH BHOGILAL/SAFEX/STEELAGE(MINIMAX)	CATEGORY 2
19	HOSE CABINET	NEWAGE/ ZENITH/SHAH BHOGILAL/ARIHANT	CATEGORY 3
20	HARDWARE	TATA/SUNDARAM FASTENERS/GKW	CATEGORY 3
21	PAINT	ASIAN/ICI/NEROLAC/BERGER	CATEGORY 3
22	POLYMERIC MIX	IWL	CATEGORY 2
23	ALARM VALVE	TYCO/NEWAGE (ULLISTED)	CATEGORY 2
24	FLEXIBLE HOSE FOR SPRINKLER DROP	TYCO/ NEWAGE/HD FIRE	CATEGORY 2
25	FLOW SWITCH	TYCO/HONEYWELL/DANFOSS/SIEMENS	CATEGORY 2

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LIST OF APPROVED MAKES -ELV SYSTEMS

Sl No.	Equipment/ System	Makes	Category
1	EPABX	Siemens unify / Cisco/ Avaya Nortel	Category 2
1.1	Telephones	Euroset / Siemens / Panasonic	Category 3
2	Rodent Repellent	Maser India / Honeywell / Siemens	Category 2
3	UPS – (Data Center)	Emerson/GE/Socomec	Category 2
4	LAN Components Structured Cabling Systems	AMP / Belden / Panduit (Pan-net)/ CommScope	Category 2
5	Active Data Switches / Wifi	Cisco / Juniper / Extreme	Category 2
6	Signal Cables	Tyco / Commscope / Belden	Category 2
7	Racks	EMERSON / APW PRESIDENT / RITTAL	Category 2
8	CCTV (IP Surveillance)	Bosch/Sony/Honeywell/ Cisco/American Dynamics/ IndigoVision and Vicon	Category 2
9	FIDS/ GIDS/ BIDS/ SMATIV (IP TV) / Signage's Display	Philips / LG/ NEC/ Samsung	Category 2
10	Printer	HP / Canon/Epson	Category 3
11	Data Entry Terminal Both PC and Servers	DELL / HP / IBM / FUJITSU / CISCO	Category 3

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12	Coaxial/Instrumentation/Fiber Optic/Cat-6 cables	BHANSAL/FINOLEX/ SKYLINE/SKYTONE/RPG /UNIVERSAL/UNIFLEX/AMP/ AVAYA/ DELTON/POLYCAB/LEGRAND/AVOCAB/ RR KABEL/SCHNEIDER/ COMMSCOPE/BELDEN/TYCO	Category 2
13	TELEPHONE CABLE	POLYCAB/RR KABEL /TT KABEL/SKYTONE / DELTON / NATIONAL /NICCO.	Category 2

CATEGORY REQUIREMENT OF TEST CERTIFICATE / INSPECTION

CATEGORY -1:

- a) Type test certificate for similar item done if not, one of the items offered to be type tested.
- b) OEMs routine test certificate.
- c) Acceptance test to be conducted in the presence of KIAL representative at OEMs factory.

CATEGORY -2:

- a) Type test certificate for similar item done if not, one of the items offered to be type tested.
- b) OEMs routine test certificate.
- c) Visual and functional check by KIAL official at KIAL airport site.

CATEGORY -3:

- a) OEM / Dealer/ Contractor routine test certificate.
- b) Visual and functional check by KIAL official at KIAL airport site.

CATEGORY -4:

- a) Visual and functional check by KIAL official at KIAL airport site.

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SCHEDULE OF QUATITIES

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SCHEDULE OF QUATITIES

Item No:	Description	Unit	Rate
1	All civil items as specified in DSR 2021		
2	All horticulture items as specified in DSR 2021		
3	All Electrical, HVAC, Fire, ELV items as specified in DSR 2021		
4	Providing and constructing laterite stone masonry in CM 1:6 (1 cement, 6 coarse sand) with neatly dressed laterite stones of standard/approved size and quality (average compressive strength not less than 35 kg/cm ²) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, labour including cutting & dressing laterite stone, lead, lift, etc.complete for all types of masonry works at all level as directed by Engineer-in-Charge.	Cum	5118.57
5	Removal of Aluminium door and door frame from the laterite wall and refixing the same at another location, including labour material for fixing complete as directed by Engineer incharge	Each	1371.43
6	Supply and fixing of glossy/mat/clear Vinyl sticker of minimum thickness 0.1 mm of approved design and colour, having permanent acrylic adhesive for interior, exterior and floor usage. The work including material, carriage, labours, tools etc complete.	Sqm	609.29
7	Supply and fixing of frosted film of minimum thickness 0.1mm, having permanent acrylic adhesive for interior, exterior and floor usage. The work including material, carriage, labours, tools etc complete.	Sqm	347.14
8	Supply and fixing of polyester cooling film of minimum 0.1 mm thick and approved colour. The surface should have scratch resistant coating, having permanent acrylic adhesive for interior and exterior usage. The work including material, carriage, labours, tools etc complete. Including labours, tools etc complete.	Sqm	347.14

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9	Supply and fixing of Acrylic board of minimum 4mm thickness with signage of approved design,size and colour, having permanent acrylic adhesive for interior and exterior . The work including material, design, carriage, labours, tools etc complete.	Sqm	5798.57
10	Supplying, laying, and jointing schedule 40 UPVC ASTM pipe and Schedule 80 ASTM-UPVC specials of approved make such as tees elbows, unions,bends,sockets bends,flanges, reducers, end caps,saddles, plugs,coupling, etc. including cost of all jointing materials like solvent cement, bolts, nuts, rubber washers,ferrule,pipe supports, cost of extra wastage of fittings during laying of pipe line such as rectification and recharging of the existing line as and when required etc.hire of tools and plant, cost and conveyance of water for testing after connecting to mains including all testing pipe line to the specified hydrostatic test pressure,rectifying any leakage or defects etc. complete.as directed by Engineer-in-Charge for water supply. (If trenching and refilling is not done , necessary cost adjustment will be done)		
10.1	100mm dia ID	Meter	1120.71
10.2	80mm dia ID	Meter	800.71
10.3	65mm dia ID	Meter	674.29
10.4	50mm dia ID	Meter	437.86
10.5	40mm dia ID	Meter	365.00
10.6	32mm dia ID	Meter	325.71
10.7	25mm dia ID	Meter	273.57
10.8	20mm dia ID	Meter	217.86
10.9	15mm dia ID	Meter	193.57
11	Supplying, laying and jointing hard PVC pipes with PVC specials such as tees, bends, door bend, door tee, elbows,unions, etc. with clamps including cutting and making good the walls,testing the lines rectifying any leakages or defects,etc. complete as directed by the Engineer-in-Charge for soil, waste, rain water,drains, vent pipe, etc. concealed or open at all levels including cost and conveyance of all materials, labour charges, sundries etc complete as directed by the Engineer- in-Charge (If trenching and refilling is not done , necessary cost adjustment will be done)		
11.1	160mm OD(4Kg/cm2)	M	1024.29

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11.2	110mm OD (6 kg/cm ²)	M	489.29
11.3	90 mm OD(6 kg/cm ²)	M	392.14
11.4	75mm OD(6kg/cm ²)	M	347.14
11.5	63mm OD(6 kg/cm ²)	M	285.71
11.6	50mm OD(6 kg/cm ²)	M	244.29
11.7	40mm OD(6 kg/cm ²)	M	211.43
11.8	32 mm OD(10 kg/cm ²)	M	208.57
11.9	25 mm OD(10 kg/cm ²)	M	183.57
11.10	20 mm OD(10 kg/cm ²)	M	166.43
12	Laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge (Rate shall be excluding paver block)	Sqm	225.14
13	Providing Crane of Capacity 15MT for loading and unloading work at airport premises with crane operator and fuel complete as required for a day of 8 hours working.	Day	14685.00
14	Providing supporting services at KIAL Engineering offices by deploying required skilled manpower time to time for undertaking services like site level supporting activities , data collection, document preparation , diary/dispatch , computer operation, data entry, MIS preparation, filing, messenger jobs etc.(Minimum one skilled person to be engaged on any working day)	Per Month	22038.57
15	Providing & Applying high quality acrylic modified resin based texture of laterite stone Pattern with anti algae and UV resistance properties to be applied as intermediate finish in desired pattern @ 43.04 kgs/10 sqm to form film of 1- 1.5 mm thickness after scrapping and properly cleaning the surface to remove loose particles from the plaster surface, followed by top coating with Premium Acrylic Smooth exterior paint with Silicone additives of required shade by two or more coats @ 1.43 litres/10 sqm, complete as the direction of Engineer -in-Charge.	Sqm	1075.00

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16	Cleaning of Chocked/blocked rain water pipe, soil waste pipe, vent pipe, manhole, sewerage pipe, gully traps EWC, IWC, Wash basin, kitchen sink, bottle traps, floor traps, house drain, storm water drain etc. of any diameter and sizes i/c removal of malba as directed by Engineer-in-charge.		
16.1	Manhole i/c connected soil waste/sewerage pipe upto the next manhole (manhole of any size)	Nos	959.86
16.2	Gully traps i/c connected soil waste/sewerage pipe upto the nearest manhole	Nos	243.71
16.3	EWC/IWC/Urinal i/c connected traps and soil waste pipe upto the nearest opening point in the soil waste pipe	Nos	84.43
16.4	Septic Tank/Collection tank cleaning for one trip (1500litres)	Nos	7832.14
17	Attending various day to day compliants and rectifying the defects/cause of complaints by deploying labour (unskilled semi skilled and skilled as and when required) with necessary T&P but without changing/replacing the fittings/fixtures. However the minor stores like screws for tightening hinges, tower bolts, door handles etc. & to prevent the leakage in the bib cocks, stop cocks, pillar cocks etc. is included in the rate. Including attending complaints in the night also complete as per the technical specification. The rate includes any minor item costing upto Rs 200/- to attend the complaint. If the material costs more than Rs 200/- , the same will be provided by KIAL to attend the complaint).	LS	38360.71
	Attending various day to day compliants and rectifying the defects/cause of complaints by deploying labour (unskilled, semi skilled and skilled as and when required) with necessary T&P but without changing/replacing the fittings/fixtures .Minor Complaints in plumbing/sanitary /joinery/masonry/flooring etc. to be attended.(This item will be applicable only when the number of complaints in a month is more than 75)		
17.1	For each complaint	Nos	105.43

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18	Replacing damaged mirror and refixing with new mirror of thickness 6 mm with all four edges polished on existing marine plywood backing. The mirror is fixed to the backing ply using two side tape. Cost also to include providing and finishing the mirror with Frosting and Etching, finishing vertical joints with silicone as per the design. The rate shall include cost and conveyance of all materials,labour charges,lead,lift ,etc complete as directed by Engineer in Charge	Sqm	1875.71
19	Providing JCB for cleaning and excavation based on the requirement including operator, fuel etc complete as per the direction of EIC for 8hrs operation.	Day	9632.86
20	Providing of 1 No SUV Vehicle without driver for a cap of 1500 Km/month on hire basis for the Maintenance Work at Airside Operational Area of Kannur Airport. The rate includes fuel, lubricants and maintenance charges, insurance etc. complete.	Per month	31260.71
21	Pre-monsoon check & cleaning of Airside Berm Drain of size 750mm x 450mm including removal of Accumulated earth,slush,vegetation and removing all the disposed material away from the drain to the bottom level of embankment and further to outside Airside & to be deposited in an area directed by Engineer-in-charge.Cleaning should be done without causing any damage to the drain.All Personal Protection Equipments must be provided to all labours as per the current scenario,to prevent snake bite etc. & AEP should be obtained.Rate include all cost,conveyance,transportation,labour charges etc. complete.	Rm	50.00

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22	<p>Cleaning of Airside drains of shape Trapezoidal/Rectangular of varying sizes including removal of Accumulated earth, slush and removing all the disposed material away from the drain to outside Airside & to be deposited in an area directed by Engineer-in-charge. Cleaning should be done without causing any damage to the drain. All Personal Protection Equipments must be provided to all labours as per the current scenario & AEP should be obtained. Rate include all cost, conveyance, transportation, labour charges etc. complete.</p> <p>Note (For all drain cleaning items) : The rate is paid when the drain to be cleaned by removing accumulated earth , slush, debris, decayed vegetation, overhanging vegetation into the drain and clearing 50cm on either side of drain. In case the clearing requires less operation as stipulated , proportionate rate will be taken for payment.</p>		
22.1	Type 1 (Size 3.6m x3.42m)	Rm	56.00
22.2	Type 2 (Size 4.0m x4.0m)	Rm	58.00
22.3	Type 3 (Size 2.5m x2.85m)	Rm	50.00
22.4	Type 4 (Size 2.5m x2.85m)	Rm	50.00
22.5	Grated Drain	Rm	50.00
23	<p>Cleaning of Berm Drain outside Operational Boundary :</p> <p>Note (For all drain cleaning items) : The rate is paid when the drain to be cleaned by removing accumulated earth , slush, debris, decayed vegetation, overhanging vegetation into the drain and clearing 50cm on either side of drain. In case the clearing requires less operation as stipulated , proportionate rate will be taken for payment.</p>		

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23.1	Type A :- Pre-monsoon check & cleaning of Berm Drain of size 750mm x 450mm including removal of Accumulated earth, slush, debris, decayed vegetation, grown up vegetation and overhanging vegetation into the drain and also 50cm away & nearby area on either sides of the drain and removing all the disposed material away from the drain to the bottom level of embankment as directed by Engineer-in -charge. Cleaning should be done without causing any damage to the drain. All Personal Protection Equipments must be provided to all labours as per the current scenario, to prevent snake bite etc.	Rm	76.33
23.2	Type B :- Pre-monsoon check & cleaning of Berm Drain of size 1200mm x 900mm including removal of slush, decayed vegetation, grown up vegetation and overhanging vegetation into the drain and also 50cm away & nearby area on either sides of the drain and removing all the disposed material away from the drain to the bottom level of embankment as directed by Engineer-in -charge. Cleaning should be done without causing any damage to the drain. All Personal Protection Equipments must be provided to all labours as per the current scenario, to prevent snake bite etc.	Rm	45.33
23.3	Type C :- Pre-monsoon check & cleaning of Berm Drain of size 750mm x 750mm including removal of scattered vegetations, accumulated slush and decayed vegetation from the drain and also 50cm away & nearby area on either sides of the drain and removing all the disposed material away from the drain to the bottom level of embankment as directed by Engineer-in -charge. Cleaning should be done without causing any damage to the drain. All Personal Protection Equipments must be provided to all labours as per the current scenario, to prevent snake bite etc.	Rm	55.00
24	Clearing rank vegetation, grass, bush including deployment of all the required machinery, fuel, manpower, vehicles etc. and disposal of cleared vegetation/rubbish to a distance of 50 m outside the periphery of the area cleared as decided by EIC as per the terms and conditions. (This rate will be paid if the area to be cleared is more than 1000 sqm and DSR Item no 2.32 will not be operated under this contract)	Sqm	2.30

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25	Clearing rank vegetation, grass, bush including deployment of all the required manpower, fuel, vehicles etc. and disposal of cleared vegetation/rubbish to a distance of 50 m outside the periphery of the area cleared as decided by EIC as per the terms and conditions. (Grass cutting machine will be supplied by the authority and this rate will be paid if the area to be cleared is more than 1000 sqm and DSR Item no 2.32 will not be operated under this contract)	Sqm	1.81
26	Routine checking of Outside Drainage Automatic Grills around entire Operational boundary of approximately 9 Km length mainly during the rainy season using minimum two labours for doing the works like greasing , minor rectification works for grills etc. All personal protective protection equipments like safety shoe, jackets etc. must be provided to all labours as per the current scenario to prevent snake bite etc.	Per day	1664.29
27	Pavement cleaning work to remove algae ,fungi,dirt etc. using high pressure water jet machine including cost of petrol ,labour ,vehicle to mount water tank ,transportation of men and machinery to locations as required as per the direction of EIC and work to be carried out only during maintenance break time/permissible time as informed by AOCC (Water to be collected from the tapping point given by KIAL free of cost)	Sqm	13.21
	Electrical Items		
28	Supplying, laying and jointing DWC HDPE PIPE with specials such as tees, bends, door bend, door tee, elbows,unions, etc. with clamps including cutting and making good the complete as directed by the Engineer-in-Charge for electrical cable laying concealed in existing trench including cost and conveyance of all materials, labour charges, sundries etc complete as directed by the Engineer-in-Charge	Rm	283.57

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**BOQ FOR MAINTENANCE WORKS FOR CIVIL, ELECTRICAL, IT, LANDSCAPING & OTHER MISCELLANEOUS WORKS AT
KANNUR INTERNATIONAL AIRPORT FOR THE YEAR 2023-2025**

Bidder Name					
BILL OF QUANTITIES					
S.I No	Description	Unit	Rate	Total Amount	Total Amount in Words
1	All civil, horticulture, electrical, HVAC, Fire, ELV items as specified in DSR 2021 + Items included in the Schedule of Quantities.	LS	Rs 1,00,00,000/-	Rs 1,00,00,000/-	Rupees One Crore Only
	Total Amount			Rs 1,00,00,000/-	Rupees One Crore Only
	Percentage Above (+ve)/ Percentage Below (-ve)				
		Percentage Above (+ve)/ Percentage Below (-ve)		Amount	
	Quoted Amount in Figures	Excess(+) / Less (-)	%		
	Quoted Amount in Words				

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