

KERALA INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION (KINFRA)

(A statutory body of Govt of Kerala)

KINFRA HOUSE, TC 31/2312, Sasthamangalam, Thiruvananthapuram -695 010

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Notice Inviting Tender (NIT)

(KINFRA - 6)

Tender No	:	KINFRA/KIAP/40/2023-24
Name of Work	:	Maintenance of Park Centre, Substation Buildings and Comfort Station at KINFRA International Apparel Parks Ltd, Thumba
PAC	:	Rs.18,61,907/-
EMD	:	Rs.46,548/-
Period of Completion	:	4 Months
Bid Submission Fee	:	Rs.2,950/-(Inclusive of 18% GST)



KERALA INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION
(A Statutory Body of Govt. of Kerala)

KINFRA HOUSE, TC NO.31/2312, SASTHAMANGALAM P.O,
THIRUVANANTHAPURAM

Tender No : **KINFRA/KIAP/40/2023-24**

Name of Work : **Maintenance of Park Centre, Substation Building and Comfort Station at KINFRA International Apparel Parks Ltd, Thumba**

Locality : **KINFRA International Apparel Parks Ltd, Thumba, St Xavier's College P O, Kazhakkuttom, Trivandrum
Contact Number: 0471 2706004/05
Pin: 695586**

Last date of online Submission : **27/03/2024 at 5:00PM**

Name of Bidder :

Address of Bidder :
.....
.....
.....


Registration and Class :

Validity period of Registration :

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Tender Notice

 KERALA INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION (KINFRA), Thiruvananthapuram, Kerala			
<u>e-Tender</u>			
KINFRA invites item rate, online tenders from registered, competent contractors/firms for the following work:			
Maintenance of Park Centre, Substation Building and Comfort Station at KINFRA International Apparel Park, Thiruvananthapuram			
PAC	Bid fee	EMD	Last Date
Rs.18,61,907/-	Rs. 2,950/- (Inclusive of 18% GST)	Rs. 46,548/-	27/03/2024 at 5:00PM
The tender document(s) can be downloaded from the e-Government Procurement (e-GP) website (www.etenders.kerala.gov.in).For more details visit the web site www.kinfra.org .			
Place: Thiruvananthapuram		Sd/-	
Date: 13/03/2024		Managing Director	

GENERAL GUIDELINES

1. The book of “General Conditions of Contract” is applicable to both types of tenders i.e.” Percentage rate tenders and Item rate tenders”. Accordingly, alternative provisions for conditions Nos. 4, 10 & 12 of the General Rules and Directions are given in this book. The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (KINFRA-7) or item rate tender (KINFRA-8). “General Conditions of Contract” shall be available in downloadable manner from website “www.kinfra.org”
2. KINFRA-6 abridged from KINFRA-7/8, Schedules A to F, special conditions/specifications and drawings will be issued to intending tenderers only. The standard form will not be issued along with the Tender Documents but the same shall form part of the agreement to be drawn and signed by both parties after acceptance of tender. The standard form shall be available in downloadable manner from website “www.kinfra.org”
3. The intending bidders will quote their rates in Schedule A ie. Schedule of Quantities.
4. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers. For filling and returning in the manner prescribed. The **Schedule A** can be downloaded from website www.etenders.kerala.gov.in

Information & Instructions to the Bidders for e-tendering (Forming part of Bid Document)

Managing Director, KINFRA invites **item rate** online tenders in **two cover bid** system for the following work in the prescribed form, from competent and eligible contractors/firms with appropriate class of registration in PWD/CPWD/KWA/Irrigation/Indian Railways/MES/BSNL/State Govt departments/PSUs, who fulfill the eligibility criteria prescribed.

NIT No	Name of work & Location	Estimated cost put to bid	EMD	Period of completion	Last date of submission of Tender document, EMD, Tender fee & Other documents as specified in Tender Notice	Time & Date of opening of Technical bid	Tender Cost	Class of registration
1	2	3	4	5	6	7	8	9
KINFRA/KIAP/40/2023-24	Maintenance of park centre, substation building and comfort station at KINFRA International Apparel Parks Ltd, Thumba	Rs.18,61,907/-	Rs.46,548/-	4 Months	27/03/2024 at 5:00pm	02/04/2024 at 10:00am	Rs.2,950/- (Inclusive of 18% GST)	KPWD D class & Above (or equivalent Class)

1. The intending bidder must read the terms and conditions of KINFRA-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The tender document(s), may be downloaded free of cost from the e-Government Procurement (e-GP) website (www.etenders.kerala.gov.in). No payment is required for downloading the tender documents from the above website however a bid submission fee, as mentioned below in this document, is required to be remitted through online payment mechanism for e-procurement system of Govt. of Kerala. Only those bidders having a valid and active registration, on the date of bid submission, shall submit bids online on the e-GP website.
4. All bids shall be submitted online on the e-GP website only in the relevant envelope(s)/ cover(s), as per the type of tender. No manual submission of bids shall be entertained for the tenders published through e-GP system under any circumstances.

5. The e-GP system shall not allow submission of bids online after the stipulated date & time. The bidder is advised to submit the bids well before the stipulated date & time to avoid any kind of network issues, traffic congestion, etc. In this regard, KINFRA shall not be responsible for any kind of such issues faced by bidder.
6. Ineligible bidders or bidders who do not possess valid & active registration, on the date of bid submission, are strictly advised to refrain themselves from participating in this tender. If such instances are noticed, the same shall be treated as “fake bidding” by the respective bidder and such bidder shall be blacklisted as per KINFRA rules in force. The bidders, who submit their bids for this tender after digitally signing using their Digital Signature Certificate (DSC), accept that they have clearly understood and agreed the terms and conditions including the Form/ Annexures of this tender. Mention of price details at any place other than the designated place, shall disqualify the bid and the bid shall be summarily rejected.
7. Tender duly signed using bidder’s valid Digital Signature Certificate shall be submitted online on e-GP website www.etenders.kerala.gov.in
8. General Conditions of Contract (KINFRA- 7/8) shall be available in downloadable manner from www.kinfra.org and shall form part of bid document.
9. The technical bid shall be opened first on due date and time as mentioned above.
10. The time and date of opening of Price Bid of the tender shall be intimated only to the qualified and technically acceptable bidders at a later date.

List of Documents to be scanned and uploaded within the period of bid submission:

Cover 1

- I. NIT
- II. Registration Certificate of the Contractor.
- III. Certificate of Registration for GST.

Cover 2

- I. BoQ (Price bid)

e-Government Procurement (e-GP) - Notice Inviting Tender (KINFRA 6)

Managing Director, KINFRA invites **item rate** online tenders in **two cover bid** system for the following work in the prescribed form, from competent and eligible contractors/firms with appropriate class of registration in PWD/CPWD/KWA/Irrigation/Indian Railways/MES/BSNL/State Govt departments/PSUs, who fulfill the eligibility criteria prescribed.

NIT No	Name of work & Location	Estimated cost put to bid	EMD	Period of Completion	Last date of submission of Tender document, EMD, Tender fee & Other documents as specified in Tender Notice	Time & Date of opening of Technical bid	Tender Cost	Class of registration
1	2	3	4	5	6	7	8	9
KINFRA/KIAP/40/2023-24	Maintenance of park centre, substation building and comfort station at KINFRA International Apparel Parks Ltd, Thumba	Rs.18,61,907/-	Rs.46,548/-	4 Months	27/03/2024 at 5:00pm	02/04/2024 at 10:00am	Rs.2,950/- (Inclusive of 18% GST)	KPWD D class & Above (or equivalent Class)

- 1.1.1 Registration contractors should be valid on the last date submission of bids. In case the last date of submission of bid is extended, the registration of contractor should be valid on the original date of submission of bids.
- 1.1.2 For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimate cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. **KINFRA 7/8** (or other Standard Form as mentioned) which is available www.kinfra.org. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **4 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.etenders.kerala.gov.in. General Conditions of Contract (KINFRA- 7/8) shall be available in downloadable manner from www.kinfra.org and shall form part of bid document.
6. Tender documents and tender schedule may be downloaded free of cost from the e-GP Web site www.etenders.kerala.gov.in . Tender fee of Rs.2,950/- (Inclusive of 18% GST) shall be remitted through online payment mechanism for e-procurement system of Govt. of Kerala.
7. The bid submitted shall be opened at **02/04/2024 on 10:00AM**. The time and date of opening of Price Bid of the tender shall be intimated only to the qualified and technically acceptable bidders at a later date.
8. Earnest Money Deposit (EMD) amounting to **Rs.46,548/-** (Rupees Forty Six Thousand Five Hundred and Forty Eight only) to be remitted online through e-GP site by the bidder.
9.
 - a) **Performance Guarantee**, the amount collected at the time of executing contract agreement, will be 5% of the contract value (agreed PAC) and the deposit will be retained till the expiry of Defect Liability Period. At least 50% of this deposit shall be collected in the form of Treasury Fixed Deposit and the rest in the form of Bank Guarantee. The validity of BG shall be upto 3 months after defects liability period mentioned in Schedule F. However applicable Government orders amended time to time shall prevail. *(As per G.O (P) No.95/2023/Fin dated 07/09/2023, Performance Security/ Security Deposit to be submitted at the time of executing the agreement is reduced from the existing rate of 5% to 3% of the contract amount for one year).*
 - b) **Additional Performance Guarantee** will be required in all cases where quoted rate falls below 10% of the estimate cost. The 10% standard exemption will be applicable to all estimates quoted below estimate cost. If the rate quoted by the contractor is x% below estimate cost (x lies above 10% upto quoted rate) the additional performance guarantee for an amount equal to (x-10) % of the estimate amount shall be obtained from the contractor. 50% of Additional Performance Guarantee shall be in the form of Treasury Fixed Deposit and rest in the form of Guarantee issued from any Nationalised Bank/Scheduled Bank/ Kerala Financial Corporation or any other forms prescribed in the Kerala PWD Manual. This shall be collected before executing the agreement in the same form as Performance Guarantee and may be released while passing the final contract

bill. This is subjected to change as per government orders issued from time to time in this respect. However applicable Government orders amended time to time shall prevail.

As per G.O.(P) No.168/2019/Fin dated 07/12/2019, for item rate contracts, if the rate quoted by the bidder for an item of work is “X%” below estimate cost where “X” lies above 10%, the Additional Performance Guarantee for that item of work is equal to (X-10) % of the estimate amount of that item of work. The total Additional performance guarantee for the whole work is the total of individual Additional Performance Guarantee for each item of work calculated as above.

10. **Performance Security Deposit:** It is the retention amount deducted from the running bill of the contractors in addition to the Performance Guarantee. This will be @2.5% of the gross amount of each running bill so that the amount so retained shall be 2.5% of the value of the work done till then. This can be released against Bank Guarantee on its accumulation to a minimum amount of Rs. 5 lakhs subject to the condition that the amount of Bank Guarantee except last one shall not be less than 5 Lakhs. This amount will be released after passing of final bills as in the case of refund of deposit.
11. ***The bid submitted is treated as invalid if:***
 - a) *The bidder is found ineligible.*
 - b) *The bidder does not upload all the documents as stipulated in the bid document.*
12. **The description of the work is as follows:** Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. Bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
13. The competent authority on behalf of Managing Director, KINFRA does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which

any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of Managing Director, KINFRA reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works if he/she is the near relative of an officer of KINFRA posted as Project Officer or Finance
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of Kerala is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of Kerala in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of Kerala as aforesaid before submission of the bid or engagement in the contractor's service.
18. ***The bid for the works shall remain open for acceptance for a period of One hundred twenty (120) days from the date of opening of technical bid.*** If any bidders withdraw his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to KINFRA, then KINFRA shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard KINFRA Form 7/8 or other standard KINFRA Form as applicable.
20. **For Composite Bids**
 - 20.1.1 The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

- 20.1.2 The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.
- 20.1.3 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.
- 20.1.4 After acceptance of the bid by competent authority, Managing Director, KINFRA shall issue letter of award. After the work is awarded, the main contractor will have to enter into one agreement with KINFRA.
- 20.1.5 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 20.1.6 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.7 The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component(s).
- 20.1.8 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 20.1.9 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to KINFRA. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 20.1.10 *The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.*

KERALA INDUSTRIAL INFRASTRUCTURE DEVELOPMENT CORPORATION**Item Rate Tender & Contract for Works**

(A) Tender for the work of:-

Maintenance of Park Centre, Substation Building and Comfort Station at KINFRA International Apparel Parks Ltd, Thumba

(i) To be submitted/ uploaded by.....hours on.....to...../ upload at www.etenders.kerala.gov.in

e-TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & 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 KINFRA within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for 120 days from the due date of its opening of technical bid.

A sum of Rs. has been deposited in prescribed manner as Earnest Money Deposit (EMD). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that KINFRA 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 KINFRA shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to 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 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or 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 KINFRA, then I/We shall be debarred for tendering in KINFRA in future forever. Also, if

such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings 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:

Witness:

Address:

Signature of Contractor

Postal Address:

Occupation:

Certificate of near relatives

DECLARATION

(To be submitted by the Contractor regarding near relatives working in KINFRA as per clause 16 of KINFRA-6)

“I s/o Shri.....Resident of.....
.....hereby certify that none of my relative(s) as defined in clause 16 of KINFRA-6 is/are employed in concerned Department of KINFRA.

In case at any stage, it is found that the information gives by me is false/incorrect, KINFRA shall have the absolute right to take any action as deemed fit without any prior information to me.”

Signature of Contractor

DECLARATION

I/we hereby declare that I/we have not been Black listed, debarred/suspended by any Central/State Govt Depts/Central/State Govt PSUs, Autonomous and statutory bodies under State/Central.

Signature of Contractor

Proforma Of Schedules

*(Separate Proforma for Civil, Elect.& Hort. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)*

SCHEDULE 'A'

Schedule of quantities (as per BOQ)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

Nil

SCHEDULE 'C'

Tools and plants to be hired to the contractor.

Nil

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any.

Nil

SCHEDULE 'E'

Reference to General Conditions of contract: uploaded in www.kinfra.org

Name of work: **Maintenance of Park Centre, Substation Building and Comfort Station at KINFRA International Apparel Parks Ltd, Thumba**

Estimated cost of work: **Rs.18,61,907/-**

(i) Earnest money: **Rs. 46,548/-**(to be returned after receiving performance guarantee)

(ii) Performance Guarantee:**5% of tendered value.**

(iii) Security Deposit:**2.5% of each bill**

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS: NIT shall be read with General conditions of contract for KINFRA (available in website www.kinfra.org)

Officer inviting tender: Managing Director, KINFRA

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with clauses 12.2 & 12.3 :As per clause 12

Definitions:

2(vi)	Engineer-in-charge	:means the Engineer officer of KINFRA who shall supervise and in-charge of work.
2(ix)	Accepting Authority	:Managing Director, KINFRA
2(x)	Department	:KINFRA
2(xii)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xiii)	Standard Schedule of rates	:CPWD DSR 2018 & Market Rates
2(xv)	Date of Commencement	:10 th day from the date of work order or 7 th day from the date of receipt of work order whichever is earlier

Clause 1

- i) Time allowed for submission of Performance Guarantee from the date of issue of work order **4 weeks**

Clause 2

Authority for fixing compensation under clause 2. :Managing Director, KINFRA

Clause 2A

Whether Clause 2A shall be applicable :No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start :10 days

Milestone :Not Applicable

Time allowed for execution of work:4 Months

Authority to decide:

- a. Extension of time-- **Managing Director, KINFRA**
- b. Rescheduling of milestone--**Managing Director, KINFRA**
- c. Shifting of date of start in case of delay in handing over of site--**Managing Director, KINFRA**

Clause6, 6A

Clause applicable - (6 or 6A) Clause 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 **Minimum 5 lakhs or monthly once**

Clause 11

Specifications to be followed for execution of work

1) CPWD 2009 Vol1 & 2 for Civil with latest amendments.

Clause 12

Type of work- Repair

12.2 & 12.3

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work

As per clause 12 of General Conditions

12.5

(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)

As per clause 12 of General Conditions

(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items

As per clause 12 of General Conditions

Clause 16

Competent Authority for deciding reduced rates.

Managing Director, KINFRA

Clause 17

Defect liability Period

: 6 Months

Clause 31

Contractor shall make his/their own arrangement for water required for the work and nothing extra will be paid for the same. If water is purchased from KINFRA, rates for industrial water supply, applicable in KINFRA will be charged on the Contractor.

Clause 36(i)

The contractor shall provide and employ technical staffs for site supervision, quality assurance and ensuring safety. Assistant Engineers retired from Govt services who holds Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10yr relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of Degree Engineers.

Additional Conditions

I. All the civil works shall be carried out at site as per CPWD Specification for civil-2009 vol1&2, with latest amendments

LIST OF APPROVED MAKE OF MATERIALS

Sl. No	Details of Materials / Equipment	Manufacturer's Name/Brand
A	CIVIL WORK	
1	Cement (OPC-(43 & 53G) & PPC)	a. Ultratech b. ACC c. Ramco d. India Cements e. Dalmia f. Malabar g. Zuari Cement h. JSW Cement Limited
2	Reinforcement Steel	(a) TATA (b) SAIL (c) JSW (d) VIZAG (e) JSPL (f) BIS approved reinforced steel of appropriate grade, from large and small producers. (For accepting makes as per (f) above: In order to ensure quality control, BIS mark with IS code No. and License number (CM/L No.) shall be insisted and quality control tests shall be conducted as per relevant standard specifications, IS codes or Quality Control Manual.
3	Structural Steel	a) TATA b) SAIL c) VIZAG d) APL APPOLLO
4	Aluminium Sections	a) Jindal b) Indal c) Hindalco
5	Ceramic Tiles/Vitrified (Wall & Floor Tiles)	a) Orient Bell b) Johnson c) Kajaria d) Somany e) NITCO f) AGL g) RAK
6	Industrial Tiles (Floor & Wall Tiles)	a) Johnson Endura, b) Somany VC series tiles or Approved Equivalent

7	Water Proofing Compound, Hardener & Construction chemicals	a) FOSROC b) CICO c) Pidilite d) Sika e) BASF f) MYK Arment Private Limited g) CERA-Chem Pvt Ltd
8	Anti-termite chemical & Wood Preservatives	a) Thiodon b) De-nocil c) Bayer d) Vam Organic e) NOCIL f) Hindustan Insecticides g) Roff Construction Chemicals
9	Float Glass & Mirror	a) Saint Gobain b) Asahi India c) Modi Glass d) Gold Plus Glass Industry Limited
10	Glass Film	a) 3M b) Llumar
11	Wall Putty	a) Birla white b) JK White c) Altec (NCL)
12	Paints (OBD, Emulsion paints, Synthetic enamel Paints)	a) ICI b) Asian c) Berger d) Nerolac
13	Water Proof Cement Paints	a) Snowcem India Ltd. b) ICI c) Asian
14	Red Oxide & Pink Primers	a) ICI b) Asian c) Berger d) Nerolac
15	PVC Water Stopper Bars	a) Fixopan b) Syntex c) BASF d) FOSROC
16	Precast Cement Concrete Pavers & Tiles	a) Nitco b) Ultra c) Johnson d) Dura crete e) Basant Beton f) Astana
17	Texture Paint (Internal & External)	a) Oikos b) Spectrum c) Asian d) Berger e) ICI
18	Laminates	a) Greenlam b) Century ply c) Merinolam d) Ventura

19	Plywood & Board (Waterproof)	a) Duro b) Green ply c) Century ply d) Merinolam
20	MDF (Exterior Grade)	a) Duro b) Green ply c) Century ply
21	Natural wood Veneer	a) Greenlam b) Century ply c) Archidply d) Ventura
22	Flush door	a) Kitply 'swastik' b) Duro 'Tower' c) Archid d) Green ply
23	Hardware	a) Dorma b) Geze c) Ozone
24	Aluminum hardware	a) Ipsa b) Ebco c) or Approved equivalent
25	Fire Proof Doors	a) Sukri b) Aadhunic c) Promat d) Shaktimet e) TATA Pravesh Doors & Windows
26	Fire proof door Accessories	a) Briton b) Astroflame c) Geze
27	Fasteners	a) Hilti b) Fischer
28	Gypsum Board	a) India Gypsum b) Saint Gobain c) USG d) Lafarge
29	Self taping screws	a) Hilti b) Landmark c) Buildex
30	Welding Rod	a) ESSAB Ferro Speed plus b) D&H Norma
31	Tarfelt	a) MAK b) Bengal Bitumen c) Rishub Petrochemical
32	Adhesive	a) Fevicol SH b) Vamicol c) Araldite of Hindustan d) Laticrete
33	PU Paint	a)MRF or equivalent

34	GRC Panels	a) Unistone b) Terra Firma
B	ELECTRICAL SYSTEM	
1	11kV Panel boards	Megawin/System control / Unitech Electrical Industries
2	Transformer	Kirloskar/Voltamp/Wilson power/KEL/TELK / Unitech Electrical Industries
3	Generators and Alternator	Kirloskar/Cummins/Stamford/ KEL
4	LT panel	CPRI certified manufacturer
5	Cast resin current transformer (CT)	AE / Kappa / C&S
6	Control / Potential Transformer (PT)	AE / Kappa / C&S
7	Digital ammeter and Volt meter	L&T / AE / C&S.
8	Protective Relays	L&T / Alstom / ABB / Siemens
9	Energy meters and Trivector Meter	L&T / AE / Secure / Ducati / HPL.
10	Selector switches	L&T / Salzer / Kaycee / Siemens.
11	Push Buttons/ Indicating Lamps LED	L&T / Siemens / Schneider /Teknik.
12	ACB	L&T / Siemens / ABB
13	Moulded Case Circuit breakers	L&T /Siemens / ABB
14	Power auxiliary Contactors/Relays/ Starters	L&T /Siemens / ABB
15	Timers	L&T /Siemens / ABB
16	Switch Fuse Units with HRC fuses	L&T / Siemens / ABB / Merlin Gerin
17	Battery (Maintenance free VPLA Battery)	Exide / Standard / Furakawa.
18	Battery Charger	Voltstat / AE / BCH.
19	Capacitors	L&T / Ducati / EPCOS
20	APFC relays	L&T / Ducati / EPCOS
21	MCB Distribution Boards	L&T / Legrand / Anchor.
22	Miniature Circuit Breakers (MCB)	L&T / Legrand / Anchor.
23	Residual Current Earth Leakage Circuit Breakers	L&T / Legrand / Anchor.

24	Ladder Type MS Cable trays	Custom built
25	1100 V LT XLPE Al. Cables	Polycab / KEI / Finolex
26	1100 V LT Power Cu.Cables	Polycab / KEI / Finolex
27	1100 V LT Control Cu.Cables	Polycab / KEI / Finolex
28	Compression glands and Lugs	Dowells/ Comet.
29	Cu/ Al (Crimping type) Cable Lugs	Dowells/ Comet.
30	Light Fittings with all required accessories	Philips/Wipro/Bajaj/Schrder/K-lite/Jaguar Lighting.
31	PVC conduits	Aero plast / Avanplast/Vijaya
32	MS Conduits	Bharath/ JK Tupe / Precision.
33	PVC Insulated FR Cu. Wires	L&T / KEI / Finolex / Anchor / Q-FLX
34	Modular Switches & Socket Outlets	Legrand/MK/Siemens/Crabtree
35	Metal clad socket outlet with boxes	L&T/ Hager / MDS.
36	UPS System	APC / Emerson / Socomec.
37	Ceiling Fans	Crompton Greaves/ Orient/ Khaitan.
38	Exhaust fans with Louver	Crompton / Khaitan / Bajaj / GEC.
II	LV SYSTEM:	
1	Tele-phone cables	Polycab / Finolex / Orbit
2	Telephone tag block	Custom built
3	Modular type RJ 11 telephone Socket	Legrand/MK/Siemens/Crabtree
4	Modular type RJ 45 LAN Socket Outlet	Legrand/MK/Siemens/Crabtree
5	CAT 6E UTP cable	D link / Finolex / Amp
6	Port switches	Netgear / Digilink
7	Modular type RF CATV Socket	Legrand/MK/Siemens/Crabtree
8	Splitter/ Tap-off BoX	Novatorn
C	WATER SUPPLY and SANITARY	
1	SANITARY FIXTURES	HINDWARE / PARRYWARE/CERA
2	CP FITTINGS	JAQUAR/PARRYWARE/CERA/GROHE

3	CPVC FITTINGS	AJAY / ASTRAL / ASHIRWAD
4	CPVC PIPES	AJAY / ASTRAL / ASHIRWAD
5	UPVC FITTINGS	AQUARIS/AQUALITE
6	BUTTERFLY VALVE (50mm to 100mm)	INTERVALVE / AUDCO
7	BALL VALVE (15mm to 40mm)	RB / TBS / CIMBRIO
8	Y STAINER	RB / TBS / CIMBRIO
9	AIR RELEASE VALVE	RB / TBS / CIMBRIO
10	WATER METER	DASMESH/CAPSTON
11	HOT WATER PIPE INSULATION	VIDOFLEX / ARMAFLEX
12	ANCHOR FASTNER / 'U' CLAMPS	HITECH SUPPORTS
13	RCC HUME PIPES	SUDARASHAN HUME PIPE / INDIAN HUME PIPE
14	PVC GULLY TRAPS (ISI)	ASTRAL ULTRA DRAIN / PRINCE / SUPREME
15	PVC PIPES (SWR Quality)	ASTRAL ULTRA DRAIN / PRINCE / SUPREME
16	PVC PIPES (Agricaultaural series)	ASTRAL ULTRA DRAIN / PRINCE / SUPREME
17	PPR Pipes (Polypropylene Random Co-Polymer Pipes)	KPT PIPING SYSTEM PVT LTD/ ASVA CORPORATION / VECTUS
18	PVC FITTINGS (Fabricated)	CLARION
19	PVC FITTINGS (Moulded)	ASTRAL ULTRA DRAIN / PRINCE / SUPREME
20	PVC FLOOR TRAPS (Moulded)	ASTRAL ULTRA DRAIN / PRINCE / SUPREME
21	MANHOLE COVER - Cast iron	BIC / NECO

22	MANHOLE COVER - (RCC Precast)	RAJVAIBHAV / SFRC	
23	LEVEL CONTROLLERS	AQUA INTECL TECH / VINAYAKA	
24	INSULATION FOR GI BURIED PIPES	PIPE KOTE / TAPEX	
25	ENAMEL PAINT	ASIAN PAINTS / APCOLITE	
26	EWC CONNECTORS	MULTICWIK	
27	PRESSURISED BALL FLOAT VALVE	RB / HIGHTAP	
28	PRESSURE REDUCING VALVE	RB / HIGHTAP	
29	Media	MM Aqua / Cool Deck / Bharat Industries	
30	Diffuser	Southern Cogen/ TECPRO Energy Systems	
31	Sand filter	Thermax / Ion Exchange	
32	Carbon filter	Thermax / Ion Exchange	
33	Gate Valve	Leader/Zoloto/ Kejeriwal	
34	Air Valve	Kejeriwaal/Intervalve/Audco/Leader/ Zoloto	
35	Non-return valve	Leader/Zoloto/ Kejeriwaal	
36	Sluice Valve	Kejeriwaal/Intervalve	
37	GI Pipe	Tata/Zenith/Jindal/APL APPOLLO	
38	Blower	Kay/Everest/Ush	
39	ETP pump	KSB/Johnson/Crompton Greaves/Mather & Platt/Kirloskar	
40	Motors	Crompton/Bharath Bijili/ NGEF/Jyothi	
41	PP Ball valves	Parixit/Dinesh/Oriental/Parth	
42	Dosing pump	Johnson/Milton Roy	
43	Gear box	Greaves/Shanti	
44	Media	MM Aqua / Cool Deck / Bharat Industries	
45	Diffuser	Southern Cogen/ TECPRO Energy Systems	

46	Pressure filter	Thermax / Ion Exchange	
47	Carbon filter	Thermax / Ion Exchange	
48	Ultra filter	Thermax / Ion Exchange	
49	Ultra violet disinfection unit	Alfa/ Ion Exchange	
50	Filter press	Andritz separation unit/Dinshaw filtration/Hydropress Industries	

****Make of all materials shall be as approved by KINFRA.**

GUIDELINES FOR E-PROCUREMENT

Prospective bidders willing to participate in this tender shall necessarily register themselves with e-procurement portal (www.etenders.kerala.gov.in). The tender timeline is available in the critical date section of this tender published in www.etenders.kerala.gov.in.

A). Online Bidder registration process:

Bidders should have a Class II or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on www.cca.gov.in. Once, the DSC is obtained, bidders have to register on www.etenders.kerala.gov.in website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.

Bidders may contact e-Procurement support desk of Kerala State IT Mission over telephone at 0471- 2577088, 2577188, 2577388 or 0484 - 2336006, 2332262 - through email: etendershelp@kerala.gov.in for assistance in this regard.

B). Online Tender Process:

The tender process shall consist of the following stages:

- i. **Downloading of tender document:** Tender document will be available for free download on www.etenders.kerala.gov.in. However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document.
- ii. **Pre-bid meeting:** Nil
- iii. **Publishing of Corrigendum:** All corrigenda shall be published on www.etenders.kerala.gov.in and shall not be available elsewhere.
- iv. **Bid submission:** Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on www.etenders.kerala.gov.in.
- v. **Opening of Technical Bid and Financial Bid:** The technical bid will be opened at same time mentioned in Information & instruction to the bidders.
- vi. Time of opening of financial bids of pre-qualified bidders will be intimate later.

C). Tender Document Fees and Earnest Money Deposit (EMD)

The Bidder shall pay, a tender document fees and Earnest Money Deposit. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.

Online Payment modes:

All online payments specified in the tender document shall be made through Multi Option Payment System (MOPS) as per the requirement.

Steps for making tender payments in e-tender system via SBI MOPS gateway
(SBI AND NON SBI ACCOUNT HOLDERS)

- Step 1** :- Click “Pay Online” when you reach the payment page while Online Bid Submission.
- Step 2** :- Click “Confirm to Pay” to proceed with the payment gateway.
- Step 3** :- Verify that the Tender fee and EMD shown are correct, as per tender document. Then, select the payment option **SBI MOPS** and Submit.
Note: In case of any mismatch in tender payments, with reference to tender documents, please contact TIA for clarifications.
- Step 4** :- Check and Follow the **Terms and Conditions**, and then **Submit**.
- Step 5** :- Bidders may choose their respective bank for accessing Internet Banking Facility

a) SBI

- i. Bidders with SBI account may click SBI option to proceed to its Net Banking Page.
- ii. Bidders may enter SBI Net banking user ID and Password and Click on Login to proceed.
- iii. Please ensure that your account has sufficient balance, before proceeding further. After checking the same, Click Confirm button, to transfer payment. After account debit, MOPS gateway will automatically re-direct to the e-Procurement System, with the Success transaction.
- iv. You will receive bank response immediately by verifying the payment status, whether Success or not. In case, payment was debited from account and further, Payment Failure is shown, immediately contact the e-Procurement helpdesk, for resolution, before tender closing time.
Click Next to go to Bid Preparation details.
- v. Please ensure that the Pay Online option is not shown after successful payment, for confirmation. From here, you may proceed with Encrypt and Upload to upload tender documents, and further submission process.

b) OTHER BANKS :

- i. Bidders with other bank account may click Other Banks option to proceed to SBI Net Banking Page. You may select the appropriate Bank from selection page. As an example, we are proceeding with ICICI Bank in the provided dropdown box of All Banks.
- ii. After selecting ICICI Retail Banking, Click Make Payment Button to proceed to its internet banking page. Further steps may depend on the Bank Procedure.
- iii. After, successful payment, system will direct you to payment confirmation page.

- iv. You will receive bank response immediately by verifying the payment status, whether Success or not. In case, payment was debited from account and further, Payment Failure is shown, immediately contact the e-Procurement helpdesk, for resolution, before tender closing time.
Click Next to go to Bid Preparation details.
- v. Please ensure that the Pay Online option is not shown after successful payment, for confirmation. From here, you may proceed with Encrypt and Upload to upload tender documents, and further submission process

D). SUBMISSION PROCESS:

For submission of bids, all interested bidders have to register online as explained above in this document. After registration, bidders shall submit their Technical bid and Financial bid online on www.etenders.kerala.gov.in along with online payment of tender document fees and EMD.

For page by page instructions on bid submission process, please visit www.etenders.kerala.gov.in and click “Bidders Manual Kit” link on the home page.

It is necessary to click on “Freeze bid” link/ icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/ opening during bid opening process.

Other Instructions to Bidders

1. All other relevant forms shall be in the format prescribed in CPWD Manual.
2. All Statutory approvals both initial & final wherever necessary for the execution of work from the authorities concerned shall be obtained by Contractor at his own expense. However statutory fees will be reimbursed on submission of receipts.
3. All drawings in the tender documents are 'Good for Construction', unless modified drawings for the same are issued by Consultant/KINFRA.
4. Important Dates

Last Date of submission	-	05:00PM on 27/03/2024
Technical Bid Opening	-	10:00AM on 02/04/2024

Requisition for e-Payment

[To be attached with tender form as per
G.O (P) No.06/2012/PWD dated 10/01/2012]

Certified that I am having a Savings / Current Account in

<Name of Bank>

at <Name of Branch>

with IFSC Code

The Account Number is

I wish to receive all payments in this account through NEFT and RTGS
systems, as the case may be, for all payments relating to this work.

Name of Bidder

Place:

Date: