Roads & Bridges Development Corporation of Kerala Ltd.

(A Government of Kerala Undertaking)

Regd. Office, 2nd Floor, Preethi Building, M.V. Road, Palarivattom, Kochi – 682025

Date:18.09.2025

SHORT NOTICE INVITING QUOTATION NO. RBDCK/T-18/Vol X/29/2025

(Offline mode only)

Quotations are invited from the qualified Govt. Licensed agencies/Architects/Structural Engineers/Consultants of appropriate category for **Structural Design of Office building at Kakkanad, Ernakulam (Kerala) having built-up area of 16000sqft.** Application format and conditions shall be downloaded from our website web.rbdck.com. Duly filled up application in closed cover clearly mentioning the name of the work on the envelope shall be submitted to **The Managing Director, Roads and Bridges Development Corporation of Kerala Ltd., Regd. Office, 2nd Floor, Preethi Building, M.V. Road, Palarivattom, Kochi – 682025 in person or through post up to 03.10.2025 at 3 P.M.** The applications will be opened on the same day at 3.30 pm in the presence of bidders who may wish to be present. RBDCK reserves the right to accept or reject any quotation in full or part thereof without assigning any reason.

Sd/-

Managing Director

Name of work: Structural Design of office building at Kakkanad (Kerala)

SCHEDULE

Sl No.	Description of work	Qty.	Unit	Rate	Amount
1.	Charges for Structural Design (with design calculations), MEP drawings & Detailed Estimate of Office building in PRICE Software for the office building having ground floor of 558.79 sq. m. first floor of 559.44 sqm & Second floor 386.14 sqm each as per latest relevant IS codes at office building, Kakkanad. The rate includes charges for doing changes in the design if any suggested and vetting of structural design as specified in general conditions below, submission of revised structural drawings and soft copy in CD/USB, giving clarification for structural and MEP-related queries if any raises during the construction of the office building.	16120	sqfeet		
	TOTAL				

Sd/-

SIGNATURE OF THE QUOTATIONER WITH SEAL **MANAGING DIRECTOR**

Terms and conditions:

(1) Seven sets of Structural drawings(as per standard size) supported with relevant design calculations using STAAD/ETABS as per latest Indian standard codes & practice, Proof Checked & Vetted from IIT/NIT/ Government Engineering College, Seven sets of MEP drawings(asper standard size) duly signed by Licensed engineer, Soft copy of detailed Estimate in PRICE Software duly incorporated with all the details to be given by the agency **within 60 days from the date of issue of work order.**

(2) The agency should have a minimum experience in the structural design of multistoreyed RCC buildings of floor area more than 1000sqm and height more than three storeys of office/commercial buildings category and dealt structural design of more than 10 numbers of such category in last 4 years and should be a Licensed Engineer with qualification to perform Structural Design of Multi storeyed Buildings.

(3) The income tax and other applicable taxes shall be deducted from the bills as per the statutory rules in force.

(4) Structural design and drawing shall comply following terms & conditions:

a) All Drawings shall be done on Auto CAD.

b) The consultant must familiarize himself with the general format of structural drawings followed in the department and prepare the drawings accordingly

c) Full detail and specification without any ambiguity shall be given for the structural drawing.

d) Structural design shall be done on STAAD PRO/ETABS based on design data as per the relevant codes. The structural drawing & MEP drawing shall be checked/vetted from Govt. Engineering College or Govt. body as mentioned in scope of work

e) The consultant shall ink sign on each and every page of the structural designing/ drawings papers/folders/estimate as a token of confirmation/ authentication

f) The vetting authority shall ink sign all the structural drawings design papers /folders as a token of confirmation of vetting.

g) During the entire construction period, the structural consultancy shall clarify all structural and MEP-related queries regarding the construction of the office building.

h) Consultant must certify for soundness of design & drawing adhere to NBC norms, statutory orders, regulation, latest IS codal provisions, seismic zone criteria, suitable load combination for all member and sound engineering practice.

i) A certificate from the vetting institute shall be submitted that all details have been thoroughly checked and are in compliance to standards, codes and regulations in respect of safety, soundness and economy.

5.Time Schedule.

Following shall be the time schedule for completing the work after issue of job order.-

a. Time for submission of design and drawings - 2 Months

b. Even after submission of complete design & drawings, department take the right to call the consultant for PIP discussion/presentation. Also any discrepancies are noticed or any alteration are made in design due to ground requirement after submission of design or during tendering & execution, consultant shall be called for carrying out necessary corrections/rectification on his own expense. No charges shall even be paid for such cases.

(6) Penalties:

In case of failing of Consultant to render the job to the satisfaction of the Client as agreed upon within the time allotted, the department has the right to cancel the Job Order without any further correspondence. In such situation, no payment what so ever the job carried out by the consultant shall be deemed. However, in case of delay in submission of final details, following penalties will be levied :-

A. Deduction of 1% per week or part thereof to the total Job Order amount.
B. Max penalty of 10% if submitted within six weeks after actual job period.

Sd/-

Signature and Address of Quotationer **Managing Director**

DISTRIBUTION FOR WIDE PUBLICITY:-

1. Website – web.rbdck.com

2.Notice Board

GENERAL CONDITIONS

QUOTATION FOR SUPPLY ORDER/JOB ORDER

(i)	Contractor/Consultant will be liable of any defect/damage detected in the designed infrastructure during its design life and the same is attributed to faulty drawing/design.		
(ii)	The vetting of designs and drawings and its report should be from designated institute (Duly signed by authorized signatory on behalf of the institute) and not from the professor/individual of the institute in his personal capacity		
(iii)	The vetting agency will also be liable and answerable for any deficiencies detected during design life of the building/structure and will be called upon to address such issued, if any.		
(iv)	Structural analysis and design shall be done on latest Version of STAAD/ETABS		
(v)	The design shall confirm to latest relevant Indian Standard codes and Special Publications as applicable.		
(vi)	Necessary Earthquake analysis design shall be performed		
(vii)	Structural design shall be got vetted by consultant from IIT/NIT/Govt Engineering Collage.		
(viii)	The consultant shall provide the STAAD file and Auto CAD drawings in soft copy (CDs)/USB also.		
(ix)	The drawings shall be in scale		
(x)	The consultant shall, on development and approval of drawings by the client, submit Seven set of hard copy of original structural drawings duly vetted of IIT/Govt. Engineering Collage and drawings in CDs/USB .		
(xi)	Any amendment required during tender presentation and on later date during execution shall be made by the consultant and requisite copies of the amended sheets shall be submitted to the client for issue of same to tenderer and free of cost clarifications, if any, during execution till completion of the projects.		
(xii)	If there is any change in the architectural and structural requirement during execution of work, drawings will be updated simultaneously without any claim of extra expenditure/charges to Govt. and the rate quoted shall deemed to include this provision		
(xiii)	All the MEP drawings and structural drawings should be complete in all respects and convey all details unambiguously as per sound architectural and structural practices, Zonal specifications, Typical drawings, IS provisions and any relevant ground data complete		
(xiv)	All the drawings shall be finalized to the entire satisfaction of the department after and with due interaction with Director/General Manager.		
(xv)	All the drawings and design will be submitted within 2 months from the date of issue of work order.		
(xvi)	20% of the fee shall be paid as advance on submission of Bank Guarantee for equal amount from a Scheduled Bank. Upto 80 % of Payment shall be made on successful submission design and drawings. Balance 20% will be paid on successful completion of the project.		
(xvii)	Original copy of Work Order will be attached with the bill		
(xviii)	Prescribed pre-stamped, pre receipted bill in triplicate will be submitted to the paying authority after fulfilling conditions as mentioned above.		
(xix)	All the developed architectural drawings and redesigned structural drawings of project should be complete in all respects and convey all details unambiguously as per sound architectural and structural practices, Zonal specifications, Typical drawings, IS provisions and any relevant ground data complete.		
(xx)	All the drawings shall be finalized to the entire satisfaction of the department after and with due interaction with Engineer in charge of RBDCK.		
(xxi)	In case consultancy work is not completed within the stipulated period, the order may be cancelled without any liability, whatsoever towards the Department.		
xxii	The following structural details shall be adopted for design:-		
	(a)	RCC	Minimum M25
	(b)	Reinforcement	Minimym Fe-500 D (TMT Bars)

	(c)	Seismic design for Zone	Zone III
	(d)	SBC of Soil	Based on the Soil investigation report available in Department/Client, if any variation observed at site, Client shall perform the re investigation of soil and will furnish the soil data, accordingly structural design shall be performed by the Consultant.
(xxiii)	Structural drawings details shall be as per SP-34 and relevant IS Codes including schedule of foundation, columns, beams and slabs.		
(xxiv)	The following requirements shall be met with while preparation of structural drawings :-		
(xxv)	(a)	The consultant shall develop structural design and drawings confirming to latest versions of relevant BIS codes. The analysis and design shall be carried out using latest versions software STAAD/ETABS	
	(b)	The design concept and plans shall be got approved for every building/structure from the client before commencement of design. The computer print of structural layout plan must show the member number. Clarification shall be obtained immediately in case of any need.	
	(c)	The design folder(s) and computer printout(s) shall be submitted in original duly signed by the consultant to the client.	
	(d)	Every sketch shall be given a serial number so that it can be uniquely referred to along with sheet No. as per fashion approved by the client. Reference numbers shall be taken by the consultant from client.	
	(e)	Schedule of beams, slabs, columns and footings can be given in tabulated form with one typical sketch of each type.	
	(f)	The consultant must familiarize himself with the general format of structural drawings followed in the office of the client and prepare his drawings accordingly.	
	(g)	The structural drawings should give foundation plans, floor plans, roof plans, details of portal, details of joints, connections, details of welding etc along with detailed drawings of structural members.	
	(h)	Detailing of reinforcement bars must be given exhaustively and clearly so as to be totally unambiguous for executives	
	(i)	Design of floors of all types and pavements shall also be given.	
	(j)	Soil investigation report of the proposed site shall be made available by the client on conclusion of consultancy agreement.	
(xxvi)	The consultant shall maintain continuous and personal interaction with the office of Concerned Engineer and to the extent required for finalization of drawings and consultancy.		
(xxvi)	Any data not available with client shall be obtained by the consultant through his own sources without any extra cost to the client.		
(xxviii)	All designed structural drawings shall be prepared as per standard structural norms and notations etc as followed by client.		
(xxix)	The consultant shall submit detailed structural redesign and drawings based on approved Structural Drawings to the client for checking. Representative of consultant/designer will be made available by the consultant during checking for necessary clarification/explanation to the client at the construction period. The modification/changes as suggested by the client shall be incorporated and final approval drawings shall be submitted.		
(xxx)	Architectural drawings can be examined in the office of the client to obviate any ambiguity in the requirement of the client. All drawings shall be prepared on AUTO CAD in DWG format and soft copy in computer CDs /USB will be submitted along with original drawings.		
(xxxi)	The calculation sheets, drawings, reports and all other documents provided by the consultant in terms of this agreement to the client shall remain/become the property of the client and the client shall have full right to use them in any manner for the project or for any other purpose at the client's sole discretion.		
(xxxii)	The consultant shall use the data and other information supplied by the client solely for the purpose of performing and carrying out his obligations under this consultancy agreement and shall not disclose the same to any person except to the extent required in performance of the work of the project and shall maintain utmost secrecy. Consultant shall treat the quotation		

	document and contents thereof as confidential.
(xxxiii)	A list of drawings building wise shall be prepared after completion of all drawings as per sample. Each drawing shall be allotted a drawing number & Sheet No by the client and the same shall be incorporated by the consultant in the respective drawings.
(xxxiv)	Any amendment required during tender presentation and on later dates during execution shall be made by the consultant and requisite copies of the amended sheets shall be submitted and free of cost clarifications, if any, during complete execution till completion of the project.