

FORM OF TENDER

07 April 2022

The Chief General Manager
NABARD, Kerala Regional Office
Punnen Road,
Thiruvananthapuram - 695001

Dear Sir,

Tender for Undertaking Installation of Roof Structure in E block of NABARD Gardens, Dr Pai Road, Poojapura, Thiruvanthapuram

Having examined the Technical bid and price bid of tender document relating to the works specified in the Memorandum hereinafter set out, having visited and examined the site of the works specified in the said Memorandum and having acquired the requisite information relating thereto as affecting the tender, I/We hereby offer to execute the works specified in the said Memorandum within the time specified, at the rates mentioned in the Price Bid and in accordance with all respects of the tender and with such materials are provided for, by and in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

- a) Description of work : Tender for Undertaking Installation of Roof Structure in E block of NABARD Gardens, Dr Pai Road, Poojapura, Thiruvanthapuram
- b) Time allowed for completion of the work : 1 month
- d) Retention Money Deposit : 5% from every R.A. Bill.

We understand that the time for completion shown above shall be reckoned from the date of issue of the Work Order.

Should this tender be accepted, I/We hereby agree to abide by and fulfil the terms and provisions or the said Conditions of the tender annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the National Bank for Agriculture and Rural Development, the amount mentioned in the said tender conditions.

Our Bankers are:

i)

ii)

The names of partners of our firm are:

i)

ii)

Name of the partner of the firm
Authorized to sign:

OR

Name or person having Power of
Attorney to sign the contract
*(Certified copy of the Power of
Attorney should be attached):*

Yours faithfully,

Signature of Tenderer

PRE CONTRACT INTEGRITY PACT

(To be submitted on Rs. 100 Stamp Paper only on first page and remaining document on normal A4 size pages duly signed by the bidder)(Tenders without Pre-Contract Integrity Pact on Rs.100 stamp paper shall be rejected out rightly)

Between

National Bank for Agriculture and Rural Development (NABARD) hereinafter referred to as “The Principal”

And

..... hereinafter referred to as “The Bidder/Contractor”

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for

“Tender for Undertaking Installation of Roof Structure in E block of NABARD Gardens, Dr Pai Road, Poojapura, Thiruvanthapuram”. The Principal values full compliance with all relevant laws of the land, rules, regulation, and economic use of resources and of fairness /transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitors (IEMs) who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

- a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/Contractor(s)

(1) The Bidder(s) / Contractor(s) commit themselves to take all measures necessary to prevent corruption. The Bidder(s) / Contractor(s) commit themselves to observe the following principles during participation in the tender process and during the contract execution

a. The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract. b. The Bidder(s)/Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.

c. The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.

e. The Bidder(s) /Contractor(s) will, when presenting their bid, disclose any and all payments made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

f. Bidder(s) /Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter.

(2) The Bidder(s) /Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s) /Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form which put their reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) /Contractor(s) from the tender process.

Section 4 – Compensation for Damages

(1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

(1) The Bidder declares that no previous transgressions occurred in the last three years with any other Company in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process.

Section 6 – Equal treatment of all Bidders / Contractors/ Subcontractors

(1) In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors

(3) The Principal will disqualify from the tender process all bidders who do not sign the Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidders(s) / Contractor(s)/ Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor

(1) The Principal appoints competent and credible Independent External Monitor for this Pact after approval by the Central Vigilance Commission. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement. The Independent External Monitor appointed for NABARD is: Note: The Name of the Independent External Monitor (IEM) mentioned in section 8 is **Shri Pramod Kumar Sangewar, IRSS (Retd.) H. No. 12-5-65/1, Flat No. 10 Sri Harsha Sethuram Unique Vijayapuri Colony, South Lalaguda Secunderabad 5000 17 Telangana State**

(2) The Monitor is not subject to instructions by the representatives of the parties and performs his/her functions neutrally and independently. The Monitor would have access to all Contract documents, whenever required. It will be obligatory for him / her to treat the information and documents of the Bidders /Contractors as confidential. He / she reports to the Chairman, NABARD.

- (3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his/her request and demonstration of a valid interest, unrestricted and unconditional access to their project documentation. The same is applicable to Sub-contractors.
- (4) The monitor is under contractual obligation to treat the information and documents of the Bidder(s) /Contractor(s) / Sub-contractor(s) with confidentiality. The Monitor has also signed declarations on 'Non-disclosure of Confidential Information and of 'Absence of Conflict of Interest'. In case of any conflict of interest arising at a later date, the IEM shall inform Chairman, NABARD and recuse himself/herself from that case.
- (5) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project, provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (6) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he/she will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (7) The monitor will submit a written report to the Chairman, NABARD within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposal for correcting problematic situations.
- (8) If the Monitor has reported to the Chairman, NABARD, a substantiated suspicion of an offence under the relevant IPC/PC Act, and the Chairman NABARD has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (9) The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharge/determined by the Chairman of NABARD.

Section 10 – Other provisions

- (1) This agreement is subject of Indian Law, Place of performance and jurisdiction is the Head Office of the Principal, i.e. Mumbai.

- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (5) Issues like Warranty/Guarantee etc. shall be outside the purview of IEMs.
- (6) In the event of any contradiction between the Integrity Pact and its Annexure, if any, the Clause in the Integrity Pact will prevail.

(For & On behalf of the Principal)

(For & on behalf of the Bidder/Contractor)

(Office Seal)

(Office Seal)

Place _____

Date _____

Witness 1: (Name & Address)

Witness 2: (Name & Address)

Place:

(SIGNATURE OF THE TENDERER)

Name:

Date:

Seal:

GENERAL INSTRUCTIONS TO THE CONTRACTORS/ TENDERERS

1. Contractors are advised to visit the site and thoroughly understand the nature and scope of the works and be familiar with the site conditions before quoting.
2. The quantities indicated in the Bill of Quantities (BOQ) are only tentative and shall be executed only at the sole discretion of NABARD.
3. Quoted rates should be workable and reasonable and should include incidental and all overheads and profits. The contractor should furnish Rate Analysis for scrutiny of the rates by NABARD, if required.
4. Rates should include all Taxes, Duties, Levies, Wages as per Act, GST, loading, unloading, transportation of material to site, carting away the debris etc. and should be firm for the entire Contract period. No escalation of rates will be allowed for the entire contract period and extended time if any on any account.
5. Materials used should conform to relevant National/ International Codes.
6. Specifications and Method of Measurements shall be followed as applicable. However, in the absence of the same and / or in case of any discrepancy, the decision of NABARD will be final.
7. The items not covered in the Schedule of Quantities of the Contract Document shall be paid at the rates as per Rate Analysis based on the market prices supported by documentary proof with 15% towards Contractor's Overhead charges, plus Works Contract Tax and GST as applicable. The Rate Analysis shall be submitted by the Contractor for scrutiny and approval of NABARD.
8. Income Tax, GST, Works Contract Tax and other taxes as applicable will be deducted from total payment due to the Contractor.
9. The Contractor should have valid License relating to his Contract and the workmen employed by the Contractor should also have the valid License and experience in their trade.
10. The Contractor should take necessary Insurance cover (CAR policy – contractor's all risk policy) at his cost for his persons employed at site and for third Party. Policies should be taken in the joint names of NABARD and the Contractor for which first name should be NABARD. The policy in original shall be deposited to NABARD within 14 days of awarding the work.

11. All the Standard Conditions of the Contract shall be binding on the parties as per Indian Contract Act and prevailing Rules.
12. The entire work is required to be completed as specified in the tender.
13. The Contractor shall comply with the provisions of Contract, Labor (Regulation & Abolition) Act, 1970, Minimum Wages Act and all other Labor Laws and other Statutory Regulations (both Central and State) that may be enforced from time to time by the appropriate authorities. NABARD shall not be held responsible for any penalty on failure of the any Labor Regulations. NABARD shall have the power to inspect the Wage Register and for physical verification of salary paid to the staff with reference to any records of the Contractor and to insist the Contractor to comply with Laws.
14. The Contractor should be responsible to fulfil all the obligations in connection with the workers employed by the Contractor for the purpose of the Contract and all the Statutory and other liabilities, if any, including minimum wages, leave salary, uniform, ex-gratia, gratuity, ESI, Provident Fund, Workman Compensation, if any, etc. in connection therewith shall be on the Contractor's account and payable by the Contractor.
15. The Contractor should obtain necessary permission that may be required for the purpose of this Contract from such authorities as may be prescribed by Law from time to time.
16. The Contractor or his authorized representative should visit the site regularly and if necessary meet NABARD's Engineer with prior appointment for any clarifications and to receive instructions, take measurements, etc. at the site.
17. The Contractor shall be fully responsible and shall compensate NABARD with suitable Insurance cover in the event of any damage to men or material, injury / damage or death as the case may be, caused directly or indirectly due to the negligence of the Contractor or his agents and / or his employees, or workmen. The decision of NABARD in this regard shall be final and binding.
18. Any act of indiscipline / misconduct / theft / pilferage / careless activities on the part of any employee engaged by the Contractor resulting in any loss to NABARD in kind or cash will be viewed seriously and NABARD will have the right to claim damages or levy fine and / or terminate the Contract forthwith, if necessary.
19. In case of any default or failure on Contractor's part to comply with all / any one of the Terms / Conditions, NABARD reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/ s from dues otherwise payable to Contractor and / or by taking recourse to appropriate recovery proceedings.
20. If any dispute arises on any matter concerning this Contract, the decision of NABARD shall be final and binding.

21. The Contractor should not at any time do, cause or permit any nuisance on the site / do anything which shall cause unnecessary disturbances or inconvenience to the staff/visitors at site or near the site of work.
22. The work should be carried out with least inconvenience to other residents in the quarters. The workmen employed by the Contractor should abide by the Rules and Regulations maintained by NABARD in the premises, especially in respect of working hours, entry of the workers to the premises, interpersonal relation with the occupants etc.
23. The Contractor should obtain approvals, if any, necessary for the work from the statutory bodies on behalf of NABARD. The fees and other statutory charges, if any, will be reimbursed to the Contractor based on the original receipts produced to NABARD.
24. The Contract can be terminated by NABARD on 15 days' notice if services are found to be unsatisfactory and if there is no improvement even after issue of three notices to the contractor.
25. On-site storage space will be provided to the Contractor subject to availability. NABARD will not be responsible for Contractor's materials. The Contractor may be required to vacate the storage space and sheds as per exigency after making good the area clean without any extra cost to NABARD.
26. The Contractor shall provide everything necessary for the proper execution of the works. NABARD will not supply any 'T & P' and materials or any other equipment, materials, labor, etc. and no payment in this respect will be made by NABARD.
27. The Contractor shall supply, and maintain suitable single or double bamboo/MS scaffoldings with working plat forms at all levels, T&P etc. along the compound wall proposed to be reconstructed or any other area if required at his cost during the execution of any work and remove them as soon as the work is completed without any damage to existing structure/fittings/fixtures.
28. The Contractor shall not directly or indirectly transfer, assign or sublet the Contract or any part of it, without written permission of NABARD.
29. Any defect which may appear within the **Defect Liability Period** after the Virtual completion of work should be rectified by the Contractor at his cost and risk and only thereafter the Security Deposit will be refunded to the Contractor.
30. Defects LIABILITY period: **12 Months** from the date of Virtual Completion of works certified by NABARD.
31. Validity of Tender: Three months from the date of opening of Tender.

32. Liquidated Damages: 0.25% of the accepted Tender Value per week or part of the week subject to maximum of 5% of the value of work.

33. PAYMENT: The contractor shall be entitled to receive upto Rs5.00lakh as Running Bill payment after completion of work of approximately 50% of value of the contract and after submission of the bill with joint measurements with the Architect deputed by the Bank/Banks Engineer.

We accept all the above Terms and Conditions in all respects without any reservation.

(SIGNATURE OF THE TENDERER)

Place:

Name:

Date:

Seal:

TECHNICAL SPECIFICATIONS

DEFINITIONS/TERMINOLGY

Bead

A single run of weld metal deposited on surface.

Butt Weld

A weld in which the weld metal lies substantially within the extension of the planes are the surfaces on the parts joined.

Crater

A depression left in weld metal where the arc was broken or the flame was removed.

End Crater

A crater at the end of a weld or at the end of a joint. Fillet Weld- a weld of approximately triangular cross-section joining two surfaces approximately at the right angles to each other in a lap joint, tee joint or corner joint. It is of two types:

- (1) Continuous
- (2) Intermittent.

Fusion Welding

Any welding process in which the weld is made between metals in a state of fusion without hammering or pressure.

Non- fusion Welding

A term applied to the deposition, by the Oxy-Acetylene process of filler metal on parent metal without fusion of the latter.

Oxy-Acetylene Pressure

Welding Pressure welding in which any Oxy-Acetylene flame is used to make the surface to be united plastic. No filler metal is used.

Run

The metal deposited during one passage of the electrode or blow pipe in the making of a joint.

Throat thickness

See Fig. 1.1.

Weld

A union between two pieces of metal at faces rendered plastic or liquid by heat or pressure, or both, Filler metal may be used to effect the union.

1.1 MATERIALS

Micro-Alloying Elements

Elements such as niobium, boron, vanadium and titanium added singly or in combination to obtain higher strength to weight ratio and better toughness, formability and weldability as compared to unalloyed steel of similar strength level.

Weldability

A metallic substance is considered to be weldable by a given process and for the given purpose, when metallic continuity to a stated degree can be obtained by welding using a suitable procedure, so that the joints comply with the requirements specified in regard to both their local properties and their influence on the construction of which they form a part.

Controlled Rolling

A hot rolling process in which the temperature of the steel and its reduction ratio are controlled, particularly during the final rolling passes, in order to achieve fine grain micro structure and optimum mechanical properties.

Normalizing Rolling

A hot rolling process in which the final rolling passes are carried out at a suitable higher temperature, followed by cooling in natural air to a temperature below the transformation temperature, in order to produce a structure, analogous to that obtained by a separate normalizing treatment of hot rolled product.

1.1.1 Steel

1.1.1.1 Supply of Material: General requirements relating to supply of structural steel shall conform to IS 8910.

1.1.1.2 Grades: There shall be nine grades of steel as given in Tables 1.1 and 1.2. While

placing the order the steel should be designated by 'Designation' (See Table 1.1 and 1.2).

1.1.1.3 Manufacture: The processes used in the steel making and further hot rolling into steel plates, strips, sections, flats, bars, etc., are left to the discretion of the manufacturer/supplier. If required, secondary refining may follow steel making, as also normalizing rolling/controlled rolling during manufacturing of sections or as per the agreement between the purchaser and the manufacturer/ supplier.

1.1.1.4 Freedom from Defects

1.1.1.4.1 All finished materials shall be well and cleanly rolled to the dimensions, sections and masses specified. The finished material shall be reasonably free from surface flaws; laminations; rough/ jagged and imperfect edges and all other harmful defects.

1.1.1.4.2 Minor surface defects may be removed by the manufacturer/supplier by grinding provided the thickness is not reduced locally by more than 4 percent below the minimum specified thickness. Reduction in thickness by grinding greater than 4 percent but not exceeding 7 percent may be made subject to mutual agreement between the purchaser and manufacturer/supplier.

1.1.1.4.3 Subject to agreement with the purchaser, surface defects which cannot be dealt with as in 10.1.1.4.2 may be repaired by chipping or grinding followed by welding and inspection by a mutually agreed procedure such that :

- (a) After complete removal of the defects and before welding, the thickness of the item is not to be reduced by more than 20 percent at any place.
- (b) Welding is carried out by procedure APPROVED by competent authority with approved electrodes and the welding is ground smooth to the correct nominal thickness; and
- (c) Subsequent to the finish grinding, the item may be required to be normalized or otherwise heat-treated at the purchaser's discretion.

1.1.1.4.4 Welding as mentioned in 1.1.1.4.3 is not permissible for grade designation E 250 material.

1.1.1.5 Chemical Composition: Ladle Analysis the ladle analysis of the steel, when carried out by the method specified in the relevant part of IS 228 or any other established instrumental /chemical method, shall be as given in Table 1.1. In case of dispute, the procedure given in IS 228 and its relevant parts shall be the referee method and where test methods are not specified shall be as agreed to between the purchaser and the manufacturer/supplier.

1.1.2 Rivets

Rivets shall be made from rivet bars of mild steel as per IS 1148.

1.1.3 Bolts

These are of two types namely turned and fitted bolts and black bolts. Turned & fitted bolts are turned to exact diameter in automatic lathe. For these bolts, whether reamed or drilled bolts, the same unit stresses are allowed as for rivets. In case of black bolts which are not finished to exact sizes, a lower working stress other than for turned bolts is adopted. They shall conform to IS 1367

– Technical supply conditions for threaded steel fasteners.

1.1.4 Electrodes

The electrodes required for metal arc welding shall be covered electrodes and shall conform to IS 814.

1.2 STEEL WORK IN SINGLE SECTION FIXED INDEPENDENTLY WITH CONNECTING PLATE

1.2.0 The steel work in single section of R.S. joists, flats, Tees Angles fixed independently with or without connecting plate, is described in these clauses.

1.2.1 Fabrication

The steel sections as specified shall be straightened and cut square to correct lengths and measured with a steel tape. The cut ends exposed to view shall be finished smooth. No two pieces shall be welded or otherwise jointed to make up the required length of member.

All straightening and shaping to form, shall be done by pressure. Bending or cutting shall be carried out in such a manner as not to impair the strength of the metal.

1.2.2 Painting

All surfaces which are to be painted, oiled or otherwise treated shall be dry and thoroughly cleaned to remove all loose scale and loose rust. Surfaces not in contact but inaccessible after shop assembly, shall receive the full specified protective treatment before assembly. This does not apply to the interior of sealed hollow sections. Part to be encased in concrete shall not be painted or oiled. A priming coat of approved steel primer such as Red Oxide/Zinc Chromate primer conforming to IS 2074 shall be applied before any member of steel structure are placed in position or taken out of workshop.

1.2.3 Erection

Steel work shall be hoisted and placed in position carefully without any damage to itself and other building work and injury to workmen. Where necessary mechanical appliances such as lifting tackle winch etc. shall be used. The suitability and capacity of all plant and

equipment used for erection shall be up to the satisfaction of the Engineer-in-charge.

1.2.4 Measurements

The work as fixed in place shall be measured in running meters correct to a millimeter and weights calculated on the basis of standard tables correct to the nearest kilogram. The standard weight of steel sections shall conform to IS 808 with tolerance in sizes as per IS 1852. Tolerance in weight is given in Table 1.3. Steel sections shall be acceptable within tolerance limits. Payment for steel sections shall be made as per actual weight within tolerances. Sections having weight on higher side than permissible tolerance, may be acceptable but payment shall be made on the basis of standard weight only. Steel sections having weight variations lower side than permissible variation shall not be acceptable.

Unless otherwise specified, weight of cleats, brackets, packing pieces, bolts, nuts, washers, distance pieces, separators, diaphragm gussets (taking overall square dimension) fish plates, etc. shall be added to the weight of respective items. In riveted work allowance is to be made for weight of rivet heads. Unless otherwise specified an addition of 2.5% of the weight of structure shall be made for shop and site rivet heads in riveted steel structures.

No deduction shall be made for rivet/ or bolt holes (excluding holes for anchor or holding down bolts).

Deduction in case of rivet or bolt hole shall however be made if its area exceeds 0.02 sqm.

The weight of steel sheets, plates and strips shall be taken from relevant Indian standards based on 7.85 Kg/m² for every millimeter sheet thickness. For rolled sections, steel rods and steel strips, weight given in relevant Indian Standards shall be used.

1.2.5 Rate

Rate includes the cost of labour and materials required for all the operations described above.

1.3 STEEL WORK IN BUILT UP SECTIONS (RIVETED AND BOLTED)

The steel work in built up section (Riveted and bolted) such as trusses, framed work etc. is specified in this clause.

1.3.1 Laying Out

A figure of the steel structure to be fabricated shall be drawn on a level platform to full scale. This may be done in full or in parts, as shown on drawings or as directed by the Engineer-in-Charge. Steel tape shall be used for measurements.

1.3.2 Fabrication

Fabrication shall generally be done as specified in IS 800. In major works or where so specified, shop drawings giving complete information for the fabrication of the component parts of the structure including the location, type, size, length and details or rivets, bolts or welds, shall be prepared in advance of the actual fabrication and approved by the Engineer-in-charge. The drawings shall indicate the shop and field rivets, bolts and welds. The steel members shall be distinctly marked or stenciled with paint with the identification marks as given in the shop drawings.

Great accuracy shall be observed in the fabrication of various members, so that these can be assembled without being unduly packed, strained or forced into position and when built up, shall be true and free from twist, kinks, buckles or open joints.

Wooden or metal sheet templates shall be made to correspond to each member, and position of rivet holes shall be marked accurately on them and holes drilled. The templates shall then be laid on the steel members, and holes for riveting and bolting marked on them. The ends of the steel members shall also be marked for cutting as per required dimensions. The base of steel columns and the positions of anchor bolts shall be carefully set out at the required location.

1.3.2.1 The steel section shall be straight or to be straightened or flattened by pressure unless required to be of curvilinear form and shall free from twists. These shall be cut square either by shearing or sawing to correct length and measured by steel tape. No two pieces shall be welded or joined to make up for the required length of member.

1.3.2.2 Making Holes: Holes through more than one thickness of materials for members, such as compound stanchion and girder flanges shall, where possible, be drilled after the members are assembled and tightly clamped or bolted together. Punching may be permitted before assembly, provided the holes are punched 3mm less in diameter than the required size and reamed after assembly to the full diameter. The thickness of material punched shall be not greater than 16 mm.

Rivet Holes

The diameter for rivets and black bolts holes shall be taken as the nominal diameter of a rivet/ black bolts plus 1.5 mm for rivets/ bolts of nominal diameter less than or equal to 25 mm” and 2.0 mm for rivets of nominal diameter exceeding 25 mm, unless specified otherwise. Holes for turned and fitted bolts shall be drilled or reamed large by 0.2 to 8 mm depending upon the dia. of bolts.

Holes shall have their axis perpendicular to the surface bored through. The drilling or reaming shall be free from burrs, and the holes shall be clean and accurate. Holes for rivets and bolts shall not be formed by gas cutting process.

Holes for counter sunk bolts shall be made in such a manner that their heads sit flush with the surface after fixing.

1.3.2.3 Assembly: Before making holes in individual members, for fabrication and steel

work intended to be riveted or bolted together shall be assembled and clamped properly and tightly so as to ensure close abutting, or lapping of the surfaces of the different members. All stiffeners shall be fixed (or placed) tightly both at top and bottom without being drawn or caulked. The abutting joints shall be cut or dressed true and straight, and fitted close together.

Web plates of girders, which have no cover flange plates, shall have their ends flush with the tops of angles unless otherwise required. The web plate when spliced, shall have clearance of not more than 5mm. The erection clearance of cleated ends of members connecting steel to steel shall preferably be not greater than 1.5 mm. The erection clearance at the ends of beams without web cleats shall not be more than 3 mm at each end but where for practical reasons, greater clearance is necessary, seating designed suitably shall be provided.

Column splices and butt joints of struts and compression members requiring contact for stress transmission shall be accurately, machined and close butted over the whole section. In column caps and bases, the ends of shafts together with the attached gussets, angles, channels etc. after riveting together shall be accurately machined so that the parts connected, butt against each other over the entire surfaces of contact. Connecting angles or channels shall be fabricated and placed in position with great accuracy so that they are not unduly reduced in thickness by machining.

The ends of all bearing stiffeners shall be machined or grounded to fit tightly both at top and bottom.

1.3.2.4 Riveting: Rivets shall be used, where slip under load has to be avoided.

Preliminaries before Rivetings:- Members to be riveted shall have all parts firmly placed and held together before and during riveting, and special care shall be taken in this respect for all single riveted connections. For multiple riveted connections, a service bolt shall be provided in every third or fourth hole.

Process of Riveting: The riveting shall be carried out by using machines of the steady pressure type. However, where such facilities are not available hand riveting may be permitted by the Engineer-in -charge. The rivets shall be heated red hot, care being taken to control the temperature of heating so as not to burn the steel. Rivets of diameter less than 10mm may be driven cold. Rivets shall be finished neat with heads full and of equal size. The heads shall be central on shanks and shall grip the assembled members firmly.

All loose, burnt, or badly formed rivets with eccentric or deficient heads shall be cut out and replaced. In cutting out rivets, care shall be taken so as not to injure the assembled members. Caulking and recapping shall not be permitted.

For testing rivets, a hammer weighing approx. 0.25 kg shall be used and both heads of the rivet (Specially the machine head) shall be tapped. When so tested, the rivets shall not give a hollow sound and a jar where so specified, other tests shall be carried out to ensure the soundness of rivets.

All rivets heads shall be painted with approved steel primer paint within a week of their fixing.

1.3.2.5 Bolting: The nominal length of the bolt shall be the distance from the underside of the head to the further end of the shank. The nominal diameter of the bolt shall be the diameter at the shank above the screwed threads. Bolts, nuts and washers shall be thoroughly cleaned and dipped in double boiled linseed oil, before use. All bolts heads and nuts shall be hexagonal unless specified otherwise. The screwed threads shall conform to IS 1363 and the threaded surface shall not be tapered. The bolts shall be of such length as to project at least two clear threads beyond the nuts when fixed in position, and these shall fit in the holes without any shake. The nuts shall fit in the threaded ends of bolts properly.

Where necessary, washers shall be tapered or otherwise suitably shaped to give the heads and nuts of bolts a satisfactory bearing. The threaded portion of each bolt shall project through the nut at least two thread. In all cases where the full bearing area of the bolt is to be developed, the bolt shall be provided with a washer of sufficient thickness under the nuts to avoid any threaded portion of the bolt being within the thickness of the parts bolted together.

Where there is a risk of the nuts being removed or becoming loose due to vibrations or reversal of stresses, these shall be secured from slackening by the use of lock nut, spring washers as directed by the Engineer-in-charge.

1.3.3 Erection

1.3.3.0 Steel members shall be hoisted and erected in position carefully, without any damage to itself, other structures and equipment and injury to workmen. The method of hoisting and erection proposed to be adopted by the contractor shall be got approved from the Engineer-in-charge in advance. The contractor however shall be fully responsible for the work being carried out in a safe and proper manner without unduly stressing the various members and proper equipment such as derricks, lifting tackles, winches, ropes etc. shall be used.

1.3.3.1 The work of erection may be done in suitable units as may be directed by the Engineer-in-charge. Fabricated members shall be lifted at such points so as to avoid deformation or excessive stress in members. The structure or part of it placed in position shall be secured against over-turning or collapse by suitable means.

During execution, the steel members shall be securely bolted or otherwise fastened when necessary temporarily braced to provide for all loads including those due to erection equipments and its operation to be carried safely by structure during erection. The steel members shall be placed in proper position as per approved drawing, final riveting or permanent bolting shall be done only after proper alignment has been checked and confirmed.

1.3.3.2 Trusses shall be lifted only at nodes. The trusses above 10 m in span shall not be lifted by slinging at two mid points of rafters, which shall be temporary braced by a wooden member of a suitable section. After the trusses are placed in position, purlins and wind bracings shall be fixed as soon as possible.

The end truss which faces the prevailing winds shall be fixed with holding down bolts, and the other end kept free to move. In case of trusses of spans upto 10m the free end of the truss shall be laid on lead sheet or steel plate as per design, and the holes for holding down bolts shall be made in the form of oblong slots so as to permit the free movements of the truss end. For larger spans the truss shall be provided with proper bearing as per design.

1.3.3.3 Columns and stanchions shall be erected truly vertical with the necessary cross bracing etc. and the base shall be properly fixed with the foundation concrete by means of anchor bolts etc. as per drawing.

1.3.3.4 Anchor bolts to be placed in the concrete foundation should be held in position with a wooden template. At the time of concreting anchor bolt locations shall be provided with suitable timber mould or pipe sleeve to allow for adjustment which shall be removed after initial setting of concrete. The spaces left around anchor bolts shall be linked to a stopping channel in the concrete leading to the side of the pedestal and on the underside of the base plate to allow the spaces being grouted up after the base plate is fixed in the position along with the column footing. Grouting shall be of cement mortar 1:3 (1 cement: 3 coarse sand) or as specified.

1.3.3.5 Bedding of Column, Stanchions etc.:- Bedding shall not be carried out until the steel work has been finally levelled, plumbed and connected together. The stanchion shall be supported on steel wedges and adjusted to make the column plumb. For multistoreyed buildings, the bedding shall not be done until sufficient number of bottom lengths of stanchions have been properly lined, levelled and plumbed and sufficient floor beams are fixed in position. The base plates shall be wedged clear of the bases by M.S. wedges and adjusted where necessary to plumb the columns. The gaps under the base plate may be made upto 25 mm which shall be pressure grouted with cement grouts.

With small columns, if permitted by the Engineer-in-charge, the column base shall be floated on a thick cement grout on the concrete pedestal. The anchor bolt holes in the base plate may be made about 10 to 15 mm larger than the bolts. In such cases suitable washers shall be provided.

1.3.4 Painting Before the members of the steel structure are placed in position or taken out of the workshop these shall be painted as specified in 1.2.2.

1.3.5 Measurements: The work as fixed in position shall be measured in running metres correct to a millimeter and their weight calculated on the basis of standard tables correct to the nearest kilogram.

The standard weight of steel sections shall conform to IS 808 with tolerance in sizes as per IS 1852. Tolerance in weight is given in Table 1.3. Steel sections shall be acceptable within tolerance limits. Payment for steel sections shall be made as per actual weight within tolerances. Sections having weight on higher side than permissible tolerance, may be acceptable but payment shall be made on the basis of standard weight only. Steel sections having weight variations lower than permissible variation shall not be acceptable.

Unless otherwise specified. Weight of cleats, brackets, packing pieces, bolts nuts, washers, distance pieces, separators diaphragm gussets (taking overall square dimensions) fish plates etc. shall be added to the weight of respective items. No deductions shall be made for skew cuts. In riveted work, allowance is to be made for weight of rivet heads. Unless otherwise specified and addition of 2.5% of the weight of structure shall be made for shop and site rivet heads in riveted steel structures. No deduction shall be made for rivet/ or bolt holes (excluding holes for anchor or holding down bolts). Deduction in case of rivet or bolt hole shall, however, be made if its area exceeds 0.02 m².

The weight of steel sheet and strips shall be taken from relevant Indian Standards based on 7.85 kg/m² for every millimeter sheet thickness. For rolled sections, steel rods and steel strips, weight given in relevant Indian Standards shall be used.

1.3.6 Rate

The rate shall include the cost of all materials and labour involved in all the operation described above.

1.4 STEEL WORK IN BUILT UP SECTION (WELDED)

1.4.0 The steel work in built up sections (welded) such as in trusses, form work etc. is specified in this clause.

1.4.1 Laying out

It shall be as specified in 1.3.1.

1.4.2 Fabrication

Straightening, shaping to form, cutting and assembling, shall be as per 1.3.2 as far as applicable, except that the words “riveted or bolted” shall be read as “welded” and holes shall only be used for the bolts used for temporary fastening as shown in drawings.

1.4.2.2 Welding: Welding shall generally be done by electric arc process as per IS 816 and IS 823. The electric arc method is usually adopted and is economical. Where electricity for public is not available generators shall be arranged by the contractor at his own cost unless otherwise specified. Gas welding shall only be resorted to using oxyacetylene flame with specific approval of the Engineering - charge. Gas welding shall not be permitted for structural steel work Gas welding required heating of the

members to be welded along with the welding rod and is likely to create temperature stresses in the welded members. Precautions shall therefore be taken to avoid distortion of the members due to these temperature stresses. The work shall be done as shown in the shop drawings which should clearly indicate various details of the joint to be welded, type of welds, shop and site welds as well as the types of electrodes to be used. Symbol for welding on plans and shops drawings shall be according to IS 813. As far as possible every efforts shall be made to limit the welding that must be done after the structure is erected so as to avoid the improper welding that is likely to be done due to heights and difficult positions on scaffolding etc. apart from the aspect of economy. The maximum diameter of electrodes for welding work shall be as per IS 814. Joint surfaces which are to be welded together shall be free from loose mill scale, rust, paint, grease or other foreign matter, which adversely affect the quality of weld and workmanship.

1.4.2.3 Precautions: All operation connected with welding and cutting equipment shall conform to the safety requirements given in IS 818 for safety requirements and Health provision in Electric and gas welding and cutting operations.

1.4.2.4 Operation, Workmanship and process of Welding is described in Appendix B,

1.4.2.5 Inspection and testing of welds shall be as per IS 822.

1.4.2.6 Assembly: Before welding is commenced, the members to be welded shall first be brought together and firmly clamped or tack welded to be held in position. This temporary connection has to be strong enough to hold the parts accurately in place without any disturbance. Tack welds located in places where final welds will be made later shall conform to the final weld in quality and shall be cleaned off slag before final weld is made.

1.4.2.7 Erection: The specification shall be as described in 1.3.3 except that while erecting a welded structure adequate means shall be employed for temporary fastening the members together and bracing the frame work until the joints are welded. Such means shall consists of applying of erection bolts, tack welding or other positive devices imparting sufficient strength and stiffness to resist all temporary loads and lateral forces including wind. Owing to the small number of bolts ordinarily employed for joints which are to be welded, the temporary support of heavy girders carrying columns shall be specially attended. Different members which shall be fillet welded, shall be brought into as close contact as possible. The gap due to faulty workmanship or incorrect fit if any shall not exceed. 1.5 mm if gap exceeds 1.5 mm or more occurs locally the size of fillet weld shall be increased at such position by an amount equal to the width of the gap.

1.4.2.8 Painting : Before the member of the steel structures are placed in position or taken out of the workshop these shall be painted as specified in para 1.2.2.

1.4.3 Measurements: The mode of measurements shall be the same as specified in 1.2.4 except that weight of welding material shall not be added in the weight of members for payment and nothing extra shall be paid for making and filling holes for temporary

fastening of members during erection before welding.

1.4.4 Rate: The rate shall include the cost of all labour and materials involved in all the operations described above.

SIGNATURE OF THE TENDERER

DECLARATION BY THE CONTRACTOR

We / I have read and understood all the instructions / conditions made above and we / I have taken into account the above Instructions / Terms and Conditions while quoting the rates. We / I accept all the above Terms and Conditions without any reservation, in all respects.

Place :

DATE :

(SIGNATURE OF THE TENDERER)

ADDRESS :

NAME and SEAL

ANNEXURE -I
ARTICLES OF AGREEMENT

(On a Rs 200/- Non- Judicial stamp paper)

THIS ARTICLES OF AGREEMENT made on the _____ day of the month _____ between the National Bank for Agriculture and Rural Development having its Kerala Regional Office at Thiruvananthapuram- 695001 (hereinafter referred to as “the Employer”) on the one part and

(hereinafter referred to as “the Contractor”) on the other.

WHEREAS the Employer is desirous of carrying out the.....

.....
... has caused specifications describing the work to be done.

AND WHEREAS the said specifications and the Schedule of Quantities have been signed by or on behalf of the parties hereto. AND WHEREAS the Contractor has agreed to execute upon the subject to the Conditions set forth herein and to the conditions set forth in the Special Conditions and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as “the said Conditions”) the works shown upon the said Drawings and / or described in the said specifications and included in the Schedules of Quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable thereunder (herein after referred to as “the said Contract Amount”).

NOW IT IS HEREBY AGREED AS FOLLOWS

1. In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work shown upon the said drawings and described in the said Specifications and the Schedule of Quantities.
2. The Employer shall pay the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said conditions.
3. In the said conditions herein before mentioned, the Chief General Manager, NABARD Kerala Regional Office, Thiruvananthapuram shall act on behalf of the employer.

4. The said Conditions and Appendix thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained.
5. The agreement and documents mentioned herein shall form the basis of this Contract.
6. This Contract is neither a fixed Lump sum Contract nor a piece work Contract but is a Contract to carry out renovation work to be paid for according to actual measured quantities at the rates contained in the Schedule of Rates and probable quantities or as provided in the said conditions.
7. The Contractor shall make good any damages done to walls, floors, etc., after the completion of such works.
8. The Employer reserves to itself the right of altering the nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this Contract.
9. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from tenth day after the date of issue of formal work orders as provided for in the said Conditions whichever is later and to complete the entire work within three months subject nevertheless to the provisions for extension of time.
10. All payments by the Employer under this contract will be made only at Thiruvananthapuram.
11. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Thiruvananthapuram, and only Courts at Thiruvananthapuram shall have jurisdiction to determine the same. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or disputes being referred to the Courts.
12. That the several parts of the Contract have been read by the Contractor and fully understood by the Contractor.

Signature Clause:

SIGNED AND DELIVERED BY

By the hand of Shri

(Name and Signature)

_____ in the presence of

(1) _____

Address _____

(2) _____

Address _____

(Witness)

**SIGNED AND DELIVERED BY THE NATIONAL BANK FOR
AGRICULTURE AND RURAL DEVELOPMENT**

By the hand of Shri

(Name and Designation)

_____ in the presence of

(1) _____

Address _____

(2)

_____ Addre

SS

_____ (witness)

ANNEXURE-II
VIRTUAL COMPLETION CERTIFICATE

Having executed the work in terms of the contract, we hereby certify and affirm that we have virtually completed the contracted works.

We hereby certify that the work has been executed wholly to our satisfaction and with materials and workmanship in accordance with the contract.

We do certify further that we have executed the work in accordance with the applicable laws and without any transgression of such laws.

Signature of the Contractor / Tenderer:

Name:

Address:

Seal:

Place:

Date:

ANNEXURE - III
LETTER OF INDEMNITY AND UNDERTAKING
(to be submitted by the successful Tenderer)

The Chief General Manager,
National Bank for Agriculture and Rural Development
Kerala Regional Office,
Punnen Road, Statue, Post Box No.220
Thiruvananthapuram -695001

Dear Sir,

'Tender for Undertaking Installation of Roof Structure in E block of NABARD Gardens, Dr Pai Road, Poojapura, Thiruvanthapuram

WHEREAS the National Bank for Agriculture and Rural Development, a corporation established under the National Bank for Agriculture and Rural Development Act, 1981 (hereinafter referred to as 'NABARD') has expressed desire to avail _____ (type of procurement) at ____ (place) as per the Schedule hereunder written and which are hereinafter for brevity sake referred to as _____, subject to our furnishing declarations and indemnity as contained hereafter.

NOW THEREFORE THIS LETTER OR INDEMNITY WITNESSETH THAT:

We, the __ (Tenderer) hereby declare and certify that we are the rightful owners/ licensees of the said article/ service/ solution offered for sale to NABARD and that the sale of the said article/ service/ solution to NABARD by us and the use thereof by NABARD does not infringe the property or other intellectual property or copy rights of any other person and that the same does not infringe the Copy of Rights Act, 1957 or any other Act for the time being in force.

We, the said _____ (Tenderer) hereby agree to indemnify and keep indemnified and harmless NABARD, its Officers, servants, agents and other authorized persons against any action that may be brought against us for infringement of the right of property or other intellectual property or copy rights in respect of the said systems package supplied by us to NABARD and will defend the same at our cost and consequences and will pay or reimburse NABARD, its officers, servants, agents and other authorized persons from all costs and other expenses that they may be put to or incur in that connection in accordance with the terms as provided for within the end User License Agreement that accompanies the said systems.

We, the said _____ (Tenderer) hereby also agree to indemnify and keep indemnified and harmless NABARD, its Officers, servants, agents and other authorized persons against any third party claims in respect of any damages or compensation payable in consequences of any accident or injury sustained or suffered by our employees or agents, or by any other third party resulting from or by any action, omission, or

operation conducted by or on behalf of us and against any and all claims by employees, workmen, contractors, subcontractors, suppliers, agent(s), employed, engaged, or otherwise working for us, in respect of any and all claims under the Labour Laws including wages, salaries, remuneration, compensation or like.

SCHEDULE (Please list all the hardware supplied to NABARD for providing this service on a separate sheet)

Yours faithfully

(Name and Designation) of Tenderer

Annexure IV
Basic Information

S.No.	Particulars	Tenderers Response
1.	Name of the Applicant/ Organization and address of Registered Office	
2.	Year of establishment	
3	Type of the Organisation (like Sole Proprietorship, Partnership, Private Limited Company, Limited Company, or Cooperative Society, etc.)	
4.	Name of the Proprietor/ Partners/ Directors of the Organisation/ Firm	1. 2. 3. 4. 5.
5.	Details of Registration a) Whether registered as partnership firm or company, etc. b) Name of Registering Authority c) Registration No. d) Date of Registration	a) b) c) d)
6.	Whether registered/ empaneled for similar works with: a) Government/ Semi-Government/ Municipal Authorities or any other Public Organisation (Yes/No) b) If yes, name of authority; and c) Since when	a) b) c)
7.	Details of experience in the field of civil construction	
8.	a) Areas of business activities, other than civil construction, if any, and b) Place and address of such business	a) b)
9.	a) Address of office through which the proposed work of the Bank will be handled; and b) Name & designation of Officer-in-charge	
10.	Adequate and satisfactory evidence to indicate financial capacity of the person/ Organisation to undertake the said construction work	
11.	a) Names of bankers b) Full address of bankers	
12.	Yearly turnover of the Organisation during the last three years	2020-21 Rs.lakh 2019-20 Rs.lakh 2018-19 Rs.

	lakh
13.	Will the applicant be able to provide Bank Guarantee or other equivalent form of security from a scheduled nationalized bank? (Yes/No)	
14.	Number of supplementary sheets attached	
15.	<p>a) Whether any civil suit/ litigation has arisen in the contracts executed by the applicant during the last five years (Yes/No)</p> <p>b) If yes, please give following information (suit-wise/ project-wise):</p> <p>i) Name of the Project & Organisation</p> <p>ii) Nature of work</p> <p>iii) Work Order No. and Date</p> <p>iv) Present stage of work</p> <p>v) Value of contract</p> <p>vi) Brief details of litigation</p>	

Notes: Please attach self-certified copies of the following documents:

- a) Latest Income Tax Clearance Certificate
- b) Audited Balance Sheet and Profit & Loss Account for the past three years.

Place:
DATE:

(SIGNATURE OF THE TENDERER)
ADDRESS:

NAME & SEAL

ANNEXURE- V
PROFORMA FOR ELECTRONIC PAYMENT

Details of Bank account to be furnished by the contractor/ service provider for effecting payment

Name and address of contractor/ service provider with phone nos.

.....
.....
.....

1	Name of the account holder (As appearing in the Bank account)	
2	Name of the Bank	
3	Name of the Branch	
4	Account number	
5	RTGS/ NEFT/ IFS Code	
6	Type of account (Savings, current, etc.)	
7	PAN Number	
8	GSTN Number	

Please attach (1) a photocopy of one cancelled cheque leaf of the above Bank account and (2) copy of PAN card and (3) allotment letter / registration letter under GSTN.

Place:

DATE:

(SIGNATURE OF THE TENDERER)

ADDRESS:

NAME



NABARD

PART- II

PRICE BID

**Tender for Undertaking Installation of Roof Structure
in E block of NABARD Gardens, Dr Pai Road,
Poojapura, Thiruvanthapuram**

SCHEDULE OF QUANTITIES

(Rate to be quoted in this sheet only)

This is an item rate tender. The Amount quoted shall be firm and shall include all costs, allowances, Transportation, taxes, levies, Works Contract tax and excluding GST (Which should be quoted separately). The rates quoted for each and every item should be self-sustaining and reasonable.

SL.No	Description of Work	Nos	Length	Total Qty	Unit	Weight in KG	Rate	Amount
1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer with two coats of approved synthetic enamel paint, welded to reqd. shape. Providing, fitting, hoisting and fixing of roof trusses fabricated out of combination of any two or all of the following sections (i) Square section (ii) Rectangular Hollow section of specification RHS/SHS and including purlins, bottom runners and providing M.S. cleat, M.S. angle, base plank, wall Bracket, bolts and nuts with red oxide primer including fitting bottom runner and cleat etc. for fixing ceiling joist as per design complete as directed as per specifications. a) Using TATA make/equivalent RHS/SHS of Grade 310 conforming to relevant I.S. code 4923 : 1997,							

a	Beam 145x82x4.8mm 15.92Kg/m all around	1	41.2m	41.2	m	655.904		
b	Rafters 100x50x3.2mm 7Kg/m	22	6m	132	m	924		
c	Rafters 100x50x3.2mm 7Kg/m	2	9m	18	m	126		
d	Purlins 80x40x3.2mm 5.5Kg/m	2	65m	130	m	715		
e	Ridge top 145x82x4.8mm 15.92Kg/m	1	9.15m	9.15	m	145.668		
f	Ridge Sides 100x50x3.2mm 7Kg/m	2	6.6m	13.2	m	92.4		
g	Post for Hollow truss at cross section1-1, 100x50x3.2mm 7Kg/m	7	0.5m	3.5	m	24.5		
h	Beam for Hollow truss at Cross section1-1, 100x50x3.2mm 7Kg/m	1	7.6m	7.6	m	53.2		
i	Post for Hollow truss at cross section5-6, 100x50x3.2mm 7Kg/m	2	6m	12	m	84		
j	Tie Runner 49x49x2.9mm 4.07Kg/m	2	31m	62	m	252.34		
k	Columns 100x100x 5mm 14.41Kg/m	16	3.1m	49.6	m	714.736		
l	Base Plate 300x300x12mm 8.4Kg/piece	16	1m	16	Nos	134.4		
m	Stiffners 100x50x10mm 0.39Kg/piece	128	1m	128	Nos	49.92		
n	Anchor Bolt 20mmx700mm Long	96	1m	96	Nos	-		
o	Ridge Cover	1	23m	23	m	-	LS	

2	Providing and fixing Aluminium sheeting of approved colour and manufacture roof supported over Tubular section frame work fixed with dash fastener, washers etc. complete as per manufacture specifications and direction of the project Engineer including necessary scaffolding upto ht.of 16mt	1	-	140	Sq.m			
3	Rain Gutters along the Eaves including all necessary fittings such as brackets fastners as required complete.	1	40	40	M	-		
4	Tar Sheet along the gable end joining the masonry wall for prevent leakage of rain water as required, ensure Water proofing using suitable materials.	1	12	12	m	-	LS	
5	Demolishing RCC work							
5.a	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material as directed for all levels.						LS	
6	Miscellaneous						LS	
	Grand Total							
	GST							
	Grand Total including GST							
Grand total in words Rupees								

Grand Total Amount without GST (In Words).....
.....

Grand Total Amount with GST (In Words).....
.....

Note:

1. The Contractor should go through the structural details and structural drawing provided below to get the final quantity, the Quantity may vary depend on the site condition, if any difference found shall be quoted separately.
2. The basic rate means the market price of the material. The contractor has to submit the bill of authorised dealer from whom procurement of material is done by the contractor in respect of items for the basic rate has been mentioned in the Price Bid. The permissible variation in basic rate will be 5% in the mentioned value beyond that necessary deduction/extra payment will be made to contractor as applicable.
3. The tenderers should visit work site and assess site conditions and scope of work before quoting the rates.
4. Rates are to be quoted inclusive of all prevailing taxes like GST, etc. as per scope of the work and after visiting the site.
5. The contractor shall include all prevailing taxes like GST etc. in the quoted rates as stated in the Clause of General Instruction of the Technical bid.
6. The contractor has to quote for all the items of the tender. Incomplete tenders and tenders without EMD will be rejected.

Accepted all terms & conditions of technical & price/financial bid

Place:

Date :

Address of the contractor:

Name & Seal:

(Signature of the Tenderer)