

The Tamilnadu Tea Plantation Corporation Limited., Coonoor-643 101. TENDER INFORMATION

Name and address of the Purchaser.	Managing Director, Tamilnadu Tea Plantation CorporationLtd., Registered Office, TANTEA Complex, Orange Grove Road,Coonoor – 643101.
	Telephone No: 0423 2230419, 2231743
	Fax: 0423 2232229.
	tantea.co.in@gmail.com
Tender Notice Reference	M1/ 5523/2022 Dated 22.09.2022
Name of the Tender	supply and installation of " Air Heater (18 CM
	Super- 5 pass)" – 2 Nos to TANTEA-Nelliyalam
	Tea Factory.
Cost of Tender Document	Rs. 5,900/- inclusive of GST and Rs. 40/- extra by post
	either by cash or Demand Draft in favour of the
	Tamilnadu Tea Plantation Corporation Limited payable
	at Coonoor drawn from any Indian Nationalized
	Bank/Scheduled Commercial Bank.
	Tenderers who downloaded documents from
	website <u>www.tantea.co.in</u> and www.tantea.nic.in
Farnact Maray Danasit (FMD)	should submit a Demand draft for the above amount.
Earnest Money Deposit (EMD)	Rs.70,000/-
Sale of tender documents	From 28.09.2022 to 27.10.2022 up to 5.00 PM
Date of Pre-Bid meeting	Date: 10.10.2022 Time: 11.00 AM
Last date and time for submission of the two part	Date: 28.10.2022
tender – both Prequalification/ Technical and	Time: 10.00 AM
Financial/Commercial bids.	D-t 00 10 0000
Date and time of opening of Pre-	Date: 28.10.2022
qualification/Technical Bid	Time: 12.45 PM
Date and time of opening of Financial/Commercial	Financial/Commercial Bid will be opened within 30
Bid	days from the date of opening of pre qualifications-
	technical bid. The date of opening of
	Financial/Commercial Bid will be informed to the
	eligible tenderers who are found and declared as
	qualified as per Pre-qualification/technical bid.

TENDER DOCUMENT FOR THE SUPPLY AND INSTALLATION OF AIR HEATER (18 CM SUPER- 5 PASS)- 2 NOS TO NELLIYALAM TEA FACTORY

Sealed tenders, superscribed as "Tender for supply and installation of "Air Heater (18 CM Super- 5 pass)- 2 Nos. are invited for TANTEA- Nelliyalam Tea Factory, subject to the following conditions so as to reach this office on or before 10.00 A.M on 28.10.2022

GENERAL CONDITIONS

1. ELIGIBILITY FOR PARTICIPATION IN THE TENDER:-

- i) The tenderer should be a Registered Supplier (*) of the Corporation
- ii) The tenderer should be the manufacturer/ authorized Dealer/ Industrial Distributor of the
- " "Air Heater (18 CM Super- 5 pass)- listing out the number of "Air Heater (18 CM Super- 5 pass)- along with name & location of tea factories in the last 5 years along with satisfactory certificate from respective factories on condition and operation of the Rotor vane.
- iii) The tenderer should have supplied the " "Air Heater (18 CM Super- 5 pass) previously to the factories of this Corporation or any other five Tea Factories. Preference will be given to the brands either used by TANTEA or by other private factories having a proven performance.
- iv) The supplier should be registered supplier in TEA BOARD.
- v) The tenderer should furnish details in Annexure -I (a),(b), (c) & (d) and got attested by the authorities concerned.
- vi) The tenderer should participate only for those items and the No. of machines limited to the Tenderer's average annual turnover of the last 3 years, as mentioned in the Annexure I-(1).
- Vii) The Tenderer's eligibility to participate for any No. of items will be restricted to his/her overall average of annual turnover of last 3 years for all the items put together.

The tenderer who satisfy all the above eligibility criteria should apply along with list of enclosures as documentary proof. Tenders furnished by firms who do not satisfy any of the above condition will not be considered and shall be summarily rejected and shall not be taken up for further evaluation. The tendering authority reserves the right to call for any additional documents from the tenderers.

2.PRE-BID MEETING:-

The Pre-bid meeting will be conducted on 10.10.2022. The tenderers are instructed to check the website for corrigendum after the date of pre bid meeting, for any amendments (Pre-bid-Minutes) (if any issued). They are instructed to download the above amendments and enclose it along with technical bid document duly authenticating while submitting without fail. Failure to submit the pre-bid minutes will lead to rejection of the tender offer.

(*) NOTE: The Tenderers who have not registered their names should register their names before offering the tenders by paying the Registration fee of Rs 2,000/- (Rupees two thousand only) in the Form of Demand Draft, otherwise their tender will be rejected.

Noted and agreed to the above

3. SUBMISSION OF TENDERS:-

- (i) If the tender is made by an individual, it should be signed by the individual with his full name. If it is made by a proprietorship firm, it should be signed by the proprietor with his full name. In case of partnership firm, the tender should be signed by the Managing Partner or any one of the Partner of the firm with his full name. If the tenderer is a Company, the tender should be signed by the Chief Executive or by the authorized signatory who shall produce the evidence of the authorization along with the tender.
- (ii) Tenders should be given in 2 sealed covers as follows:-
- (a) First cover should contain the pre qualification-Technical Bid and the Earnest Money Deposit and should be superscribed as "Pre qualification-Technical Bid for supply and installation of ""Air Heater (18 CM Super- 5 pass)- 2 Nos to Nelliyalam Tea factory" the pre qualification-Technical Bid should contain the details in schedule I (Page No. 14)
- (b) The second cover should contain the Financial/Commercial bid and it should be superscribed as "Financial/Commercial bid for supply and installation of "Air Heater (18 CM Super- 5 pass)- 2 Nos to Nelliyalam Tea factory. The Financial/Commercial bid should contain the details noted in Schedule III.
- (c) The above two separate sealed covers should be put in a single general cover which should be superscribed as "Tender for supply and installation of "Air Heater (18 CM Super- 5 pass)- 2 Nos to Nelliyalam Tea factory "The general cover should be closed, sealed and addressed to the Managing Director, TANTEA, TANTEA Complex, Coonoor- 643 101, Tamilnadu along with their contact Number and E-mail Id clearly written on the cover for all communications.
- (d) The Corporation does not take any responsibility for the tenders received without such superscription and being opened even before the due date.

4. OPENING OF TENDERS:-

Tenders received within the scheduled time will be opened as detailed below at 12.45 **P.M. on 28.10.2022** in the presence of the representatives of the tenderers who may be present at that time. The authorized representatives should produce valid authorization letter to participate in the opening of the tenders.

- (i) First, the envelope containing the Pre qualification-Technical Bid along with Annexures I (a), (b), (c) & (d) (Schedule I & II) and Earnest Money Deposit will be opened.
- (ii) If any tenderer has indicated / included the price details in the pre qualification/ Technical Bid, the tender will be rejected.

Noted and agreed to the above

- (iii) The pre-qualification tenders will be evaluated by the Corporation and the tenderers who have qualified in the pre qualification-Technical Bid will be informed.
- (iv) The tenderer should furnish the e-mail ID for communication through electronic platform.
- (v) Finally, the Financial/Commercial bid (Schedule III Page No.21) of the tenderers whose prequalified/Technical bids were selected in the above evaluation will be opened in the presence of the tenderers or their authorized representatives within a period of 30 days.

If any unavoidable circumstance arises due to the outbreak of COVID-19, Natural phenomena, any declaration by the Government/Corporation etc., the date of tender fixed on 28.10.2022 is liable to change. The change in the date of tender will be updated in our designated website and it will be intimated through e-mail.

5. EARNEST MONEY DEPOSIT:-

- (i) Each tender should be accompanied by an Earnest Money Deposit of Rs.70,000/(Rupees Seventy thousand only) in the form of Demand Draft drawn on any
 nationalized Bank in favour of "Tamilnadu Tea Plantation Corporation Limited, payable
 at Coonoor".
- (ii) Tenders without the Earnest Money Deposit will be summarily rejected provided that any category of tenderers specifically exempted by the Government from the payment of Earnest Money Deposit will not be required to make such a deposit. However, they should produce the relevant Government orders. The Tenderer who are the manufacturer/authorized dealer/Industrial Distributor of the macbinery and work with MSME are eligible for submission. Proof to be furnished for component supply, spares & consumables extended to MSME stakeholder partners of the business.
- (iii) The Earnest Money Deposit will be refunded in the case of unsuccessful tenderers on application after the rejection of the tenders.
- (iv) The successful tenderer has to remit 5% of the total value of the order as Security Deposit in addition to Earnest Money Deposit for the due fulfillment of the terms of supply. The Earnest Money Deposit already paid will be adjusted against the Security Deposit. The Security Deposit will not carry any interest.

Noted and agreed to the above

6. EXEMPTION FROM TENDER CONDITIONS:-

Exemption from remittance of EMD for the units holding SSI permanent certificate or EM Part II issued by Department of Industries & Commerce, Government of Tamilnadu or other state Directorate of Industries in India or by National Small Industries Corporation Limited, Government of India etc., will be considered if an attested copy is enclosed along with duly filled in Tender form. However such firms which claim exemption of EMD shall be asked to remit an interest free Security Deposit (5%) if they become a successful tenderer, within 7 days from the date of receipt of confirmation from TANTEA, Coonoor.

7. INSPECTION BY THE TENDERER :-

The intending tenderer shall take all necessary precautions to satisfy themselves as to the conditions of the road, existing means of communications, the distance involved and the exact place of delivery and installation. Every Tenderer is expected, before quoting the rate, to inspect the place of delivery and installation.

8. REQUIREMENT:-

The General specification of the "Tender for the supply and installation of Air Heater (18 CM Super- 5 pass)- 2 Nos. required is given in the schedule-II. The requirement furnished in the schedule-II is approximate. The supply should match to the minimum requirement, if any additional/Special features are available in the machine it may also be indicated in the tender.

Noted and agreed to the above

9. DETAILS TO BE FURNISHED AND MODE OF PRESENTATION:-

- (I) The Pre-qualification/Technical bid should contain the following details under proper authentication and it should be submitted in the format enclosed.
- (a) Complete specification of the "Tender for supply and installation of " "Air Heater (18 CM Super- 5 pass) along with printed Pamphlet.
- (b) Accessories to be supplied free of cost along with the " "Air Heater (18 CM Super- 5 pass).
- (c) Period of delivery and installation.
- (d) List of the names of the Tea Factories where this particular Air Heater (18 CM Super- 5 pass)- 2 Nos has been installed in the last four years, date of their installations and the certificates issued by the Factories about the performance of the Air Heater (18 CM Super- 5 pass)- 2 Nos..
- (e) The Tenderer should show valid certificate that the Tenderer/Supplier have supplied machinery to three other factories and successfully installed. Only tender of such experienced Supplier will be accepted.
- (f) No of years standing in this trade (Minimum 3 years of experience required and proof of the same has to be submitted.
- (g) Annexure- I (a), (b), (c) & (d) of Schedule I are to be filled and got attested by the authorities concerned.
- (h) Warranty period for the supplying machinery and certificate has to be furnished.
- (i) A certificate showing that they have accepted the terms and conditions stipulated in the tender document No M1/ 6370/2022 dated 22.09.2022 of the Corporation.
- (j) Valid proof to show that the Tenderer is the manufacturer/ authorized Dealer/ Industrial Distributor of the Air Heater (18 CM Super- 5 pass) (Dealership certificate has to be produced).

Noted and agreed to the above

- (II) The Financial/Commercial bid should contain the details of the rates offered for the supply and installation of the machine. The commercial bid should be given in the companies letter head.
- (a) The rates should be quoted both in figures and words. Any scoring or over writing should be attested by the tenderer with full signature. In case of discrepancy between the prices quoted in words and in figures, lower of the two will only be considered.
- (b) The rates quoted should be firm and should not be subjected to any variation clause. Conditional tenders will not be accepted.
- (c) The rate to be quoted should include all taxes, duties, levies, packing and forwarding charges, transit insurance, freight upto our destination, and expenses such as traveling, boarding, lodging etc of the erection team till the completion of erection and trial runs.
- (d) Break up details such as basic prices, GST, freight, Insurance, etc, should be given separately in the tender.
- (e) The rate to be quoted should be valid for one year from the date of opening of tender.
- (f) The Tenderer should give a valid and active e-mail ld for further correspondence and no mismatch should occur.

10. POWER POINT PRESENTATION :-

Every Tenderer should submit a Power point presentation both in hard copy (4 slides per page) and soft copy along with the Tender document. The Tenderers has to give Power point presentation on the working, performance and technical specifications of the machine. The date of power point presentation before the Management will be communicated if necessary.

Noted and agreed to the above

11. INSPECTION BY THE CORPORATION:-

The Managing Director/General Manager/ Authorised Representatives of TANTEA, Coonoor shall have the right to inspect the Tenderer's office/ factory or the clients of the Tenderers to inspect the machineries supplied by them either on his own or through any of the officers deputed by him in this regard and the Tenderer should provide or arrange to all access for smooth inspection.

12.NEGOTIATION:-

Negotiation will be held in respect of reduction in the cost and other technical terms with the tenderer whose financial/commercial bid is proposed to be accepted for final award of the contract.

13. INSTALLATION/ WARRANTY OF MACHINERY:-

- (i) The successful Tenderer who has qualified Pre-qualification/Technical bid and financial/commercial bid has to furnish the foundation drawings, facilitating conveyorisation as per the technical specification within seven days and the machine should be installed within a period of 30 days on the date of execution of agreement. The date of relaxation in the supply period solely vests with the Corporation and the discretion of the Management.
- (ii) Machinery supplied will need to be free of any IP related issues on product Design etc., and the supplier shall be liable if any claims arise.
- (iii) Warranty of parts & components (eg. Electrical) including supply and manufactured by 3rd party needs to be provided.
- (iv) Effective warranty period will commence after completion of turnkey project and satisfactory handover and running of machinery by supplier.
 - (v) Provision for AMC and extended warranty to be provided.
 - (vi) Minimum period to be 3000 hours of satisfactory running of machinery or 12 months from the commencement date of effective use of machinery (whichever is later).
 - (vii) Spares and consumables to be forecasted and supplied with the machines for requirement period of 2 years.

14. EXECUTION OF AGREEMENT:-

- (i) The successful tenderer has to execute an agreement with the Corporation within seven days from the date of receipt of confirmation order accepting the tender for the due fulfillment of the contract.
- (ii) Failure to enter into an agreement within the stipulated time will entail forfeiture of the Earnest Money Deposit and removal of the name of the firm from the list of approved suppliers, at the discretion of the Corporation.
- (iii) The tender document will also form part of the agreement to be executed.

Noted and agreed to the above

15. PENALTY FOR BELATED SUPPLY / INSTALLATION :-

The Machine should be supplied strictly within the period of 30 days from the date of execution of agreement and the readiness of the Corporation to make available the site for installation of the Machine. The Corporation is the sole authority for considering the relaxation in the period of supply stipulated (i.e. 30 days). If the supplier fails to supply the Machines within the stipulated time, penalty at the rate of 18% per annum of the value of the Machine will be imposed for the period of delay at the discretion of the Corporation whose orders thereon are final and conclusive.

16. CANCELLATION OF ORDERS:-

After execution of the agreement, in case of failure to complete the supply and installation of the Machine within the time specified and / or at the accepted rates, the Corporation reserves to itself the right to cancel the supply order and to call for fresh tenders or to make any other alternate arrangements to get the Machines supplied at the risk of the defaulting supplier who shall be liable to make good the loss to the Tamilnadu Tea Plantation Corporation Limited that will arise on calling for fresh tenders or by making other alternative arrangements to obtain the Machine and the defaulting supplier shall not be entitled to any gain which may accrue to the Corporation by purchase through other arrangements. In that event, the Security Deposit of the defaulting supplier will be forfeited at the discretion of the Corporation whose decision shall be final and conclusive. In case, tenders are called for afresh at the risk of the defaulting supplier, the defaulting supplier will not be allowed to send tender again.

17. REJECTION/ REPLACEMENT OF DEFECTIVE EQUIPMENTS.

In case, the Machine or any part thereof supplied are not in accordance with the specifications of the accepted tender or in the event of any deficiency in size or quality is noticed in the supply, the same will be rejected by the Corporation and the Corporation reserves the right to forfeit the Security Deposit at its discretion. The Corporation also reserves the right to take such further action against the supplier, as it deems necessary in addition to the forfeiture of Security Deposit. The supplier should replace all the defective / rejected machinery / materials at their cost within 7 days from the date of receipt of the intimation about the rejection.

Noted and agreed to the above

18. PAYMENT:-

- (i) No advance payment will be made for the supply and the tenders received with any payment terms other than given below will not be considered and shall be summarily rejected.
- (ii) 50% of the cost of the Machine will be paid on delivery of the machine at site in good condition as per the Technical specifications. If not so, the supplier should take back the machine/materials at their own risk and cost and replace them as per the correct Technical specifications at their own expenses and then only 50% of the cost of the machine will be paid.
- (iii) 40% payment will be released on successful erection, commissioning and successful trial run of the machine, subject to the receipt of satisfactory performance report from the factory concerned.
- (iv) The balance 10% payment will be retained during the warranty period (i.e. one year from the date of successful commissioning) as performance guarantee and settled after successful completion of the warranty period.
- (v) If the quantity of the supply order is increased or decreased, payment will be made at the accepted rate for the actual quantity received by the Corporation.

19. ACCEPTANCE / REJECTION OF TENDERS:-

The Corporation reserves the right to reject any or all of the tenders without assigning any reasons therefor and to relax any or all of the tender conditions in favour of any tenderer in the interest of the Corporation.

20. JURISDICTION OF COURT:-

The contract will be signed at Coonoor. Any dispute arising out of the contract lies within the jurisdiction of the courts situated in the Nilgiris District.

Noted and agreed to the above

CHECK LIST

PREAMBLE OF TENDER:-

The Managing Director, TANTEA invites Bids from eligible bidders on behalf of TANTEA, Nelliyalam Tea Factory by two cover system for the Supply and installation of "Air Heater (18 CM Super- 5 pass) Machine with required accessories.

BIDDER TO FILL IN THE CHECK LIST GIVEN BELOW: (State YES / NO for each item)

Kindly ensure compliance of the under-mentioned requirements, as per Tender Terms and Conditions.

The tender is offered for:

S. No.	Details					
ı	Pre-qualification/Technical Bid (Schedule I & II)	Yes / No			
	Whether all the details required in Schedule I &	II are filled in a				
	complete shape and authenticated.					
	Whether the EMD amount is enclosed for the					
i)	Supply and installation of Air Heater (18 CM	Rs.70,000/-	Yes / No			
	Super- 5 pass)- 2 Nos. in the Pre-					
	qualification/Technical bid					
ii)	i) If so, Details of D.D. No. date, Bank on which drawn etc. may be					
	furnished					
	D.D. No(s)					
	dated					
	for Rs					
	drawn on (Bank)					
	Branchin favour of "The Tamilnadu Tea					
	Plantation Corporation Ltd" payable at Coonoor.					

Noted and agreed to the above

iii)	If EMD exemption is sought for, whether necessary documentary proof/evidence such as EM as per MSMED Act 2006 for SSI	Yes / No
	Certificate enclosed in the Prequalification/Technical bid.	
iv)	Whether the valid proof showing the Manufacturer/Authorised dealer/Industrial Distributor of "Air Heater (18 CM Super- 5 pass) is enclosed.	Yes / No
v)	Whether the valid document showing the annual production of the machine in the last 3 years period is enclosed.	Yes / No
vi)	Whether copies of attested GST certificates enclosed	Yes / No
vii)	Whether copy of attested PAN Card Registration certificate	Yes / No
viii)	Whether the Financial statement for the year 2019-20, 2020-21 and 2021-22 got attested by the Chartered Accountant as per Annexure-I (a) is enclosed.	Yes / No
ix)	Whether the availability of credit facilities issued and got attested by the Bank as per Annexure-I (b) is enclosed.	Yes / No
x)	Whether the evaluation certificate attested by the Notary Public as per Annexure-I(c) is enclosed.	Yes / No
xi)	Whether the undertaking on serviceability given by the tenderer attested by the Notary Public as per Annexure-I(d) is enclosed.	Yes / No
xii)	Whether the scope and the Technical specification of the machinery supplied comply with the scope and technical	Yes / No
	specification as specified in the Schedule-II of this Tender document.	
xiii)	Whether the Power point presentation (Hard and soft copy) is furnished.	Yes / No
	Whether details of past experience (i.e) Purchase order copy(s)	
xiv)	for the above of the machinery is enclosed.	Yes/No
xv)	Whether the satisfactory performance certificate from client(s) for the above machinery are enclosed.	Yes/No

Noted and agreed to the above

xvi)	Whether the Minutes of Pre-Bid meeting duly signed and sealed has been enclosed.	Yes/No
xvii)	Whether the certificate showing that the tenderer has accepted all the terms and conditions stipulated in the tender document No.	Yes/No
	M1/6370/2022 dated 22.09.2022 is enclosed.	
II	Whether Sl.No. (i) to (xvii) have been authenticated and put together in a single cover duly wax sealed and superscribed as "Pre-	Yes/No
	qualification/Technical bid" for the supply and installation of "Air	
	Heater (18 CM Super- 5 pass)- 2 Nos. to TANTEA-Nelliyalam tea	
	factory	
III	Financial/Commercial bid- Schedule III	Yes/No
	Whether all the details required in Schedule III is filled in a complete	
	shape and authenticated.	
IV	Whether the Financial/Commercial bid submitted in a single cover	Yes/No
	duly wax sealed and superscribed as "Financial/Commercial bid" for	1 00/110
	the supply and installation of "Air Heater (18 CM Super- 5 pass)- 2	
	Nos. to TANTEA-Nelliyalam tea factory	
V	Whether two covers have been wax sealed separately as "Pre-	
	qualification/Technical bid" & "Financial/Commercial bid" (whichever	
	is applicable) and both the covers enclosed in a common overall	
	envelope duly wax sealed and superscribed as Tender for the	Yes / No
	"Supply and installation of "Air Heater (18 CM Super- 5 pass)- 2	
	Nos Machine.	

Note: Please ensure that all the relevant boxes are marked YES / NO against each column.

Important Note: Bidders must ensure that all the required documents indicated in the tender document are submitted without fail. Bids received without supporting documents for the various requirements mentioned in the tender document are liable to be rejected at the initial stage itself.

Noted and agreed to the above

PRE-QUALIFICATION/TECHNICAL BID

FOR THE SUPPLY AND INSTALLATION OF "AIR HEATER (18 CM SUPER- 5 PASS)- 2 Nos TO NELLIYALAM TEA FACTORY (MANAGING DIRECTOR, TANTEA, Ref. No M1/6370 /2022)

SCHEDULE-I

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Noted and agreed to the above

7. The following Annexu	re are to be got attested by the authorities concerned.					
i) Annexure I(a)- Financial statement attested by Chartered Accountant.						
ii) Annexure I(b)- Availability of credit facilities issued by the Bank.						
iii) Annexure I(c)- Evaluation Certificate attested by the Notary Public.						
,	dertaking on servicing given by the tenderer attested by Notary ublic.					
8. Earnest Money Depos	it (i) D.D. No :					
	(ii) Date :					
	(iii) Bank :					
	(iv) Amount: Rs 70,000/-					
9. Whether you agree to conditions of the Tendon No M1/6370/2022 Dt.	der Document					
PLACE:						
DATE:						
	Noted and agreed to the above					

SIGNATURE AND SEAL OF THE

TENDERER

ANNEXURE-I (a)

(Certificate of the tenderer should be got attested by a Chartered Accountant)

(No separate format/form should be used)

	Certified that I have verified the records of M/s				
an			or the year 2019-20, 2020-21 and 2021-22 are		
	(a) 2019-20		/- (in figures)only.		
	(b) 2020-21		/- (in figures)only.		
	(c) 2021-22		/- (in figures) only.		

Signature of the Tenderer with Office Seal

Attested by:

Chartered Accountant Name:

Regn. No. :

Signature with seal:

Signature of the Tenderer with office seal

ANNEXURE-I(b)

FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES

BANK CERTIFICATE

(No separate format/form should be used)

This is to certify that M/s		is
a reputed company with a good financial stand	ding.	
If the contract for the work, namely,		is
awarded to the above firm, we shall be	able to provide overdraft/credit facilities to the	extent of
Rs to meet their working capital re	equirements for executing the above contract.	
	0'	
·	Signature of Senior Bank Manager	
I	Name of the senior Bank Manager	
1	Address of the Bank	

Stamp of the Bank $% \begin{center} \begin{center}$

Note: Certificate should be on the letter head of the bank.

ANNEXURE-I (c)

(Certificate of the tenderer should be got attested by a Notary Public)

(No separate format/form should be used)

	ard of India or by the Government of Tamilnadu or
any other Government Corporation or	undertaking or institution in India or by the
TANTEA, Coonoor".	
	Signature of the Tenderer with Office Seal
	Attested by:
	Notary Public Name:
	Regn. No. :
	Signature with seal:

Signature of the Tenderer with office seal

ANNEXURE-I (d)

(Undertaking by the tenderer should be got attested by a Notary Public)

(No separate format/form should be used)

undertake	that	we	have	authorized	service			Tamilnadu	at
(Full addres	ss to be	e men	tioned) a	and/or we her	eby give a	an undert	aking	that our Serv	vice
Personnel v	will atte	nd any	y defects	s/repairs of the	e machine	supplied	by us	s within 2 days	s of
such event	being r	eporte	d to us"						

Attested by:

Notary Public Name:

Regn. No. :

Signature with seal:

Signature of the Tenderer with office seal

SCHEDULE-II TECHNICAL SPECIFICATION

1. Name of the Machinery to be supplied : "Air Heater (18 CM Super- 5 pass) (with all

required accessories to be given by the supplier).

2. Quantity to be Supplied and Installed : 2 Nos.

3. Place of delivery and Installation : Nelliyalam Tea Factory

SPECIFICATION

<u>Air Heater (18 CM Super – 5 Pass)</u>

i) No of Cast Iron Tube Bank --- 20 Nosii) Length of the Cast Iron Tube Bank --- 8 Feet

iii) No. of Mild Steel Tube Bank --- 6 Nos (each Bank 25 Tubes)

iv) Length of Mild steel Bank --- 8 Feet

v) No.of Flue gas Pipe (5th Pass Pipe) --- 18 Nos (for 2 sides)

vi) Length of Flue gas Pipe --- 8 feet

vii) Material for Flue gas Pipe --- Stainless steel

viii) ID Fan size --- 30 inches

ix) ID Fan Drive system --- 10 HP Motor with solid Pulley

(Hollow pulley should not be Used)

x) Starter Type --- 3 phase Starter (star & Delta)

xi) Overall size of the machine (Approximate)

- 1. Breadth 4800mm, 2. Length 5700mm, 3. Height 3480mm
- xii) Energy efficient motors (ABB/Siemens/ Kirloskar make) should be used in this machine.

xiii) Cast Iron Quality:

Quality of Cast Iron: Pig Iron produced by TATA/IISCO should be used for all Cast Iron parts IS:3355, Grade-C,

Type –B to withstand High Temperature and the chemical composition should be as follows.

i). Carbon (C) - 2.8% to 3.2%, ii) Silicon (SI) - 1.8% to 2.0%,

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iii) Manganese (Mn) – 0.6\% to 0.8\%, iv) Phosphorous (P) – 0.35\% (Max),v) Sulphur (S)- 0.12\% (Max), vi) Chromium (Cr) – 1.5\% to 2.0\%,
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vii) Nickel - 0.5% (Max).

xiv) Hot Air Supply --- 35000 kgs per hour at 140°C.

xv) Fuel Type --- Coal/ Firewood/Leco/Briquette

xvi) Maximum Heat output --- 11 Lakh to 12.5 Lakh K.Cal/hour

xvii) Weight of C.I Tube Bank --- 325 to 340 Kgs for each

xviii) Cast Iron Arch Bar --- 26 Nos (LH and RH each 13 Nos)

xix) Grate Area --- 21 Sq.feet (Approx)

xx) Insulation Type --- LLOYDS Insulation and Ceramic Blanket.

xxi) Weight of Centre Arch Bar
 xxii) Weight of Front Arch Bar
 xxiii) Weight of Rear Arch Bar
 240 kgs (+/- 10 kgs)
 xxiii) Weight of Rear Arch Bar
 220 kgs (+/- 10 kgs)

xxiv) Weight of Fire Bar --- 11 to 12 kgs per piece (Combustion

Chamber should be provided with Fire Bars)

xxv)Total Weight of the Heater --- 30000 kgs

xxvi) All additional and essential accessories/spares to be supplied along with the machine.

Note: All additional and essential accessories/spares to be supplied along with the machine. The Dimension and Position of the machine may vary based on the site condition.

Noted and agreed to the above

SIGNATURE AND SEAL OF THE TENDERER

..22..

SCHEDULE-III

TENDER FOR THE SUPPLY AND INSTALLATION OF AIR HEATER (18 CM SUPER- 5 PASS) TO TANTEA-NELLIYALAM TEA FACTORY

SI.No.	Particulars of Machinery	Net Rate(Per unit)		
		In Figure	In words	
		(in Rs.)		
1	AIR HEATER (18 CM SUPER- 5 PASS)-			
	2 NOS			
	Basic Cost (Including Packing & Forwarding			
	charges, Freight, Transit Insurance, Loading,			
	Unloading charges, other taxes if any, installation			
	and commissioning charges etc.)			
	CGST			
	SGST			
	IGST			
	Grand Total			
	Sidila Total			

Note:

The rate should be strictly quoted as detailed in clauses 9 (ii) (a),(b),(c) & (d) of the Tender Document.

Noted and agreed to the above