

TINKONG TEA ESTATE
Andrew Yule & Co. Ltd.
(A Government of India Enterprise)
P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612

NOTICE INVITING TENDERS

Tinkong Tea Estate on behalf of ANDREW YULE & CO. LTD invites e-Tender under two part system (**Part I: Techno-Commercial Bid and Part II: Price Bid**) from bona fide and reputed **Company/Firm** for **construction of Single Unit Labour Latrine : WHO Standard complete in all respect**, the details of which are available in Annexure-IV “**Scope of Work / Technical Specification**” as specified in this tender document.

Tender document may be downloaded From MSTC website www.mstcecommerce.com/eprochome/aycl or www.andrewyule.com. Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only. AYCL reserves the right to accept or reject any tender.

Schedule of Tender

1.	TENDER NO.	TK/CAPITAL/16-17/2 Dated. : 21.11.2016
2.	MODE OF TENDER	e-Procurement System Online submission of Part I - Techno-Commercial Bid and Part II - Price Bid through www.mstcecommerce.com/eprochome/aycl The intending bidders are required to submit their offer electronically through this e-tendering portal. No physical tender is acceptable by AYCL/MSTC
3.	E-Tender No. / Event No.	AYCL/TEA DIVISION/16/16-17/ET/121
4.	Date of publication of e-Tender through publication MSTC/AYCL websites and Central Public Procurement Portal	23.11.2016
5.	Date of availability of NIT to the Vendors for downloading	23.11.2016
6.	Earnest Money and other document	“Earnest Money Deposit” of Rs.20,000/- (Rupees Twenty Thousand only) may be paid by D.D. favouring Andrew Yule & Co Ltd. A/c Tinkong Tea Estate Payable at Duliajan. Other document as described in Annexure – I, Sl. No. 2

7.	Last date of submission of EMD & other documents to Sr. Manager, Tinkong Tea Estate with an email confirmation to Chief General Manager, Tea Division at kaustuv.roy@andrewyule.com	16.12.2016
8.	Date of Starting of e-Tender for submission of Online Techno-Commercial Bid and Price Bid At www.mstcecommerce.com/eprichome/aycl	To be intimated to the eligible vendor separately by email as well as through Corrigendum in the website.
9.	Date of closing of Online e-tender for submission of Techno-Commercial Bid & Price Bid at www.mstcecommerce.com/eprichome/aycl	To be intimated to the eligible vendor separately by email as well as through Corrigendum in the website.
10.	Date & time of opening of Part-I (Techno-Commercial Bid)	To be intimated to the eligible vendor separately by email as well as through Corrigendum in the website.
11.	Date & time of opening of Part-II (Price Bid)	To be intimated to the eligible vendor separately by email as well as through Corrigendum in the website.

List of Annexure

Important Instructions for E-procurement -	Annexure-I
Notice Inviting Tender	Annexure-II
General Information-	Annexure-III
Scope of Work / Technical Specification/ General Terms& Conditions	Annexure-IV
Price Bid Sheet for online submission	Annexure-V
Bill Of Materials for WHO Standard Single Unit Labour Latrine	Annexure-VI
Drawing for WHO Standard Single Unit Labour Latrine	Annexure-VII

**TINKONG TEA ESTATE
Andrew Yule & Co. Ltd
(A Government of India Enterprise)
P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612**

Important Instructions for E-procurement

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

This is an e-procurement event of Tinkong Tea Estate, Tinkong, Assam of *ANDREW YULE & COMPANY LTD Ltd.*

You are requested to read the Terms & Conditions (Annexure- III, IV) of this tender before submitting your online tender. Tenderers who do not comply with the Conditions with documentary proof (wherever required) will not qualify in the Tender for opening of Price Bid.

1. Process of E-tender:

A) **Registration:** The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid over the internet will be done. The Vendor should possess Class III signing type Digital Signature Certificate. Vendors are to make their own arrangement for bidding from a PC connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE PRICE BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT www.mstcecommerce.com/eprochome/aycl

- 1) **Vendors are required to register themselves online with www.mstcecommerce.com → e-Procurement → PSU / Govt. depts. → Register as Vendor under AYCL- Filling up details and creating own user id and password → Submit.**
- 2) **Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.**

In case of any clarification, please contact MSTC/AYCL (before the scheduled time of the e-Tender).

Contact person for Techno Commercial clarification (ANDREW YULE & COMPANY LTD):

1. **Mr. S. K. Das
Sr. Manager,
Tinkong Tea Estate, Tingkhong.
Mobile No: 9435474114
Email:**

yule.tinkong@gmail.com

Contact person (E-Commerce, MSTC Ltd):

1. Mr. Arindam Bhattacharjee

Deputy. Manager (E-commerce)

MobileNo: 09330102643

Email: arindam@mstcindia.co.in

2) Mr. Sabyasachi Mukherjee

Assistant Manager (E-commerce)

Mobile- 07278030407

Email:smukherjee@mstcindia.co.in

3. Ms Sumona Maity

Management Trainee (E-Commerce)

Mobile-09831155225

Email: smaity@mstcindia.co.in

Landline: (033) 22901004

System Requirement:

- i) Windows XP-SP3 or above / Windows 7 Operating System
- ii) IE-7 or above Internet browser.
- iii) Signing & Encryption type digital signature
- iv) JRE 7 update 79 software to be downloaded and installed in the system. Security level should be medium
- v) To enable ALL active X controls and disable 'use pop up blocker' under Tools → Internet OpJons → custom level (Please run IE settings from the page www.mstcecommerce.com once)

2. Part-I: Submission of EMD & other Documents:

Within specified Date & time the vendor must submit the following documents to Sr. Manager , Tinkong Tea Estate, P.O. Tinkong, Dist – Dibrugarh, Assam 735 207. Off-line.

- Earnest Money of Rs. 20,000/- (Rupees Twenty Thousand only) by Demand Draft favouring Andrew Yule & Co. Ltd. A/C Tinkong Tea Estate, Payable at Duliajan.
- General information, under Annexure-III complete in all respect along with desired information and document.
- Acceptance of Scope of Work/Technical Specification, under Annexure-IV along with relevant information and documents without Price Sheet.
- Technical specification sheet, with all desired details, duly signed and stamped as token of acceptance.
- Intending Bidders may visit the site before submission of the Off-line documents at their own cost.

In case of failure to submit the EMD and other document within the stipulated time, the Tender may be rejected.

Part-II: Online Bid submission: On the basis of submission of EMD and other Documents at Tinkong Tea Estate, Tinkong, Assam the list of vendors who will participate in online Techno commercial and price bid submission will be finalized . Only those qualified bidders will be eligible to submit Online Techno-commercial and price bid.

Bidding in e-Tender:

- a. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by Tinkong Tea Estate. EMD to be paid along with the Document within the last date as mentioned in SOT.
- b. The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.
- c. The bidder(s) who have submitted the EMD and documents to Tinkong Tea Estate will be short listed by Manager, Tinkong Tea Estate and those qualified bidders can only submit their Techno Commercial Bids and Price Bid through internet in MSTC website www.mstcecommerce.com → e-procurement → Psu / Govt depts. → Login under AYCL→ My Menu → Auction Floor Manager → live event → Selection of the live event.
- d. The bidder should allow to run an application namely enApple by accepting the risk and clicking on run. This exercise has to be done twice immediately after opening of Bid floor. Then they have to fill up Common terms /Commercial specification and save the same. After that clicking on the Techno-Commercial bid, if this application is not run then the bidder will not be able to save / submit his Techno-Commercial bid.
- e. After filling the Techno-Commercial Bid, bidder should click 'save' for recording their Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to be filled up and then bidder should click on "**Save**" to record their Price Bid. Then once both the Techno-Commercial bid & Price Bid has been saved, the bidder can click on the "**Submit**" button to register their bid.
- f. Vendors are instructed to use link in **My Menu** to **Upload Documents** in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 5 MB.
- g. Once documents are uploaded in the library, vendors can attach documents through *Attach Document* link against the particular tender. For further assistance please follow instructions of vendor guide.
- h. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- g. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.

- h. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- i. Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can download Technical Comparative statement.
- j. Price bid will be opened electronically on specified date and time given in the NIT. Bidder(s) can download Price Comparative statement.
- k. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- l. All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter **SUPPLIER**.
- m. It is mandatory that all the bids are submitted with Digital Signature Certificate otherwise the same will not be accepted by the system.
- n. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
- o. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.
- p. Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.

E-tender cannot be accessed after the due date and time mentioned in NIT.

All notices / corrigendum and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by TINKONG TEA ESTATE/ANDREW YULE & COMPANY LTD/MSTC LTD. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with MSTC. Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

Any order resulting from this open e-tender shall be governed by the terms and conditions mentioned therein.

No deviation to the technical and commercial terms & conditions are allowed.

ANDREW YULE & COMPANY LTD / Tinkong Tea Estate has the right to cancel this e-Tender without assigning any reason thereof.

The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com/eprochome/aycl of MSTC Ltd.

The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.

The bid will be evaluated based on the filled-in technical & commercial formats.

Bidders are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprochome/mstc of MSTC Ltd. to familiarize them with the system before bidding.

TINKONG TEA ESTATE
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Notice Inviting Tender
Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121
Ref. Tender No.: TK/CAPITAL/16-17/2

Senior Manager, Tinkong Tea Estate on behalf of Andrew Yule & Co. Ltd., Tea Division, invites tender from bonafide contractors to construct Single Unit Labour Latrine in accordance with WHO Standard as appended below.

Tinkong Tea Estate ---	15 Units
Desam Tea Estate ---	11 Units
Khowang Tea Estate ---	15 Units
Bhamun Tea Estate ---	8 Units
Hingrijan Tea Estate ---	8 Units
Rajgarh Tea Estate ---	15 Units
Basmatia Tea Estate ---	8 Units
Hoolungooree T.E. ---	8 Units
Murphulani T.E. ---	11 Units

TOTAL -- 99 Units

Offers are invited from reputed contractors for construction on trunked basis at specified locations.

Contractors interested to participate in the above Tender will have to :

- b) Get themselves registered (free of cost) as supplier with www.mstcecommerce.com/eprochome/aycl, our service provider.
- c) Submit the following document to Tinkong Tea Estate, Tinkong, Assam within 15 days from the date of publication of advertisement, off line -
 - General Information Sheet complete in all respect duly signed and stamped.
 - Earnest money of Rs.20,000/- by Draft favouring Andrew Yule & Co. Ltd. A/C Tinkong Tea Estate payable at Dulijan.
 - Commercial Terms & Conditions Sheet, duly signed and stamped as token of acceptance.
 - Technical specification sheet, with all desired details, duly signed and stamped as token of acceptance.

The following pre-qualification criteria would apply, which may be relaxed at the sole discretion of Andrew Yule & Co. Ltd. / Tinkong Tea Estate.

The Bidder should be having minimum 4 years of constructions experience and holding authority to deal with Andrew Yule & Co. Ltd. / Tinkong Tea Estate. This should be supported by appropriate documentary evidence.

The Bidder shall be a registered Company and posses valid sales tax / service tax registration certificates.

The Bidder should have own local support office presence for the locations namely Dibrugarh /Moran/Tinsukia and should be able to provide support as and when required.

TINKONG TEA ESTATE
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P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612

General Information

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

The applicants are required to furnish full information to the queries included in this form. In giving the particulars, the supporting documents/certificates as called for per queries at places, must be tagged with the application for evidencing the information furnished in the application.

1. Particulars of Company

- 1.1 Name of the Company :
- 1.2 Nature of business :
- 1.3 Full address :
- 1.4 Phone No. :
- 1.5 Fax No. :
- 1.6 E-mail ID :

2. Details of Certificate

Sl No.	Particulars	Registration No.	Remarks
1.	Income Tax		Copy of Registration Certificate / PAN Card to be attached
2.	Central Sales Tax		Copy of Registration Certificate to be attached
3.	State Sales Tax		Copy of Registration Certificate to be attached
4.	Service Tax		Copy of Registration Certificate to be attached
5.	Trade Licence		Copy to be attached

3. List of Local Office

Sl. No	Location	Type of Local Office		Bidders to Provide full address & Telephone No
		Company Operated	Franchised	
1				
2				

4. Details of Banker

1	Name of the Bank	
2	Name of the Branch	
3	Branch Code	
4	Address	
5	IFSC Code No.	
6	Account No.	

5. List of Job contract of identical nature made in last 2 years. with customer reference

6. Copies of Purchase Orders : for identical type of Job contract (minimum 2 order copies)

I/we hereby certify that the particulars furnished by me/us above are true to the best of my / our knowledge and belief and mis-representations of facts will render me/us liable to my/our action as may be deemed fit by Andrew Yule & Co. Ltd. (Tea Division) / Tinkong Tea Estate & have the sole discretion to reject or accept my/our candidature.

Signature of the Applicant)
Office Stamp/Seal.

Place :

Date ;

List of Enclosures :

TINKONG TEA ESTATE
Andrew Yule & Co. Ltd
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P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612

General Terms & Conditions

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

1. Scope of Work

- Supply/Constructions as per specification complete in all respect.

2. Location of Site

Tinkong Tea Estate	---	P.O. Tinkong, Dibrugarh, Assam
Desam Tea Estate	---	P.O. Naharkatia, Dibrugarh, Assam
Khowang Tea Estate	---	P.O. Khowang, Dibrugarh, Assam
Bhamun Tea Estate	---	P.O. Bhamun, Dibrugarh, Assam
Hingrijan Tea Estate	---	P.O. Hingrijan, Dibrugarh, Assam
Rajgarh Tea Estate	---	P.O. Rajgarh, Dibrugarh, Assam
Basmatia Tea Estate	---	P.O. Lahoal, Dibrugarh, Assam
Hoolungooree T.E.	---	P.O. Mariani, Dibrugarh, Assam
Murphulani T.E.	---	P.O. Golaghat, Dibrugarh, Assam

3. Requirement

Tinkong Tea Estate	---	15 Units
Desam Tea Estate	---	11 Units
Khowang Tea Estate	---	15 Units
Bhamun Tea Estate	---	8 Units
Hingrijan Tea Estate	---	8 Units
Rajgarh Tea Estate	---	15 Units
Basmatia Tea Estate	---	8 Units
Hoolungooree T.E.	---	8 Units
Murphulani T.E.	---	11 Units

TOTAL -- 99 Units

4. Job completion date

The work to be completed within 120 days from date of order.

5. Liquidated Damage

In the event of failure on the part of the contractor to complete entire work against the order to our full satisfaction within the specified period of completion, we may recover from the contractor as liquidated damages, a sum equivalent to ½% of contract value for each week or any part thereof default, but limited to a maximum of 5% of contract value. In case of any defect the contractor has to bear the cost of repairs within 1 year from date of handing over of the project.

6. Force Majeure

Any delay or failure in the performance of either party hereto will not constitute default thereunder or give rise to any claim for damages, if any, to the extent such delays or failure of performance is caused by the occurrence such as acts of god or the public enemy, appropriation or confiscation of facilities by Govt. Authorities, acts of war, rebellion or sabotage, fires, explosions, riots and illegal strike.

7. Risk Purchase

In case the contractor fails to execute the contract fully or partly, the purchaser shall have the right to execute the work through other agencies, as decided by the purchaser at the contractor's cost and risk after giving two weeks notice in writing.

8. Terms of payment

- No advance will be given.
- Part payment to be released according to the progress of work with 10% retention at each stage described in the scope of work which will be returned after 1 year of completion of the project.
- Statutory deductions will be made as per rules.

9. Price Variation

The quoted price should remain firm during pendency of the contract.

10. The tenderers are requested to ensure Earnest Money Deposit along with the Tender in the following manner, which will be converted into Security Deposit for the successful bidder/s and will be released on completion of delivery.

EMD Amount	Rs.20,000.00
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EMD to be submitted by D.D.favouring Andrew Yule & Co. Ltd. A/C Tinkong Tea Estate payable at Duliajan.

12. Decision for awarding contract/job is vested with the Management so as to reject.
13. Incomplete "Quotation/Offer" is liable to be rejected.
14. The offer must be valid for a minimum of 6 months from the date of E-Bidding.
15. All disputes are subject to Dibrugarh Jurisdiction only.

For Off line submission

TINKONG TEA ESTATE
Andrew Yule & Co. Ltd
(A Government of India Enterprise)
P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612

Technical Specification and Requirement
Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121
Ref. Tender No.: TK/CAPITAL/16-17/2

Constructions of Single Unit Labour Latrine in accordance with WHO Standard on Trunkey basis as per Drawing No. Annexure VI & VII adhering to appended scope of work.

A) Scope of work – Single Unit Labour Latrine in accordance with WHO Standard

Item no.	Description of work	Unit	Qty
1	Earth work inexcavation for foundation trenches of walls,retaining wall, column,steps, septic tank etc. including refilling the quantity as necessary after completion of the work as directed and specified in ordinary soil, Upto depth of 2 m below existing ground level: For foundation wall trench :- $\{[(4 \times 1.21) \times 0.254 \times 0.228]\} = 0.28 \text{ m}^3$ for Septic Tank 2 no x 1 m Dia $V = \{[(3.14 \times (0.5 \times 0.5) \times 1)] \times 2\} = 1.57 \text{ m}^3$	Cu.M	1.85
2	Providing flat brick soling in foundation and under floor with best quality picked jhama bricks and packed and laid to level and anel after preparing the sub grade as directed : soling under Foundation wall and septic tank wall = $\{[(2 \times 3.14 \times 0.5) \times 0.254] + [(4 \times 1.21 \times 0.254)] + (0.558 \times 0.558)\} = 4.68 \text{ m}^3$	Cu.M	4.68
3	In prop 1:3:6 Floor on Flat brick soling = $1.21 \times 1.21 \times 0.076 = 0.11 \text{ m}^3$	Cu.M	0.11
4	Providing and laying R.C.C. works cement with coarse sand & 20mm down graded stone aggregate including dewatering if necessary,and curing complete but excluding the cost of form work and reinforcement for RCC work (Form work and reinforcement will be measured and paid separately) $V = 2\{[(3.14 \times (0.5 \times 0.5) \times 0.076)] + [(0.558 \times 0.558) \times 0.076]\} = 0.143 \text{ m}^3$	Cu.M	0.143
5	Supplying,fitting and fixing in position reinforcement bars conforming to relevant I.S.Code for R.C.C. work/R.B.walling including straightening ,cleaning,cutting and bending to proper shapes and length as per details,supplying and binding with 20 G annealed black wire and placing in position with proper block,support,for slab for septic tank etc. $Wt = (1.5 \times 0.143 \times 7850) / 100 = 16.80 \text{ kg} = 0.16 \text{ Q}$	Quintal	0.16
	Brick work with 1 st class in cement mortar 1:6 under foundation of septic tank wall and Latrine housing . $V = (0.18 + 0.12) = 0.3$	Cu.M	0.3
6	1/2 brick work with 1 class bricks in mortar 1:5 in septic tank and latrine house Area = $(4 \times 1.21 \times 2.28) + \{(2 \times 3.14 \times 0.5 \times 1.32) \times 2\} = 18.26 \text{ SQM}$	Sqm	18.26
7	Wooden frame work for Door with B class timber frame making and CGI sheet fixing on it for making the dood	set	1
8	Wooden frame work for roof structure in B class timber including fitting fixing of purline and CGI sheet as detrected and specified complete.	set	1
9	Fiitting fixing of OT pan with assessories including footrest in position as per drawing .	set	1

The quantity envisaged has got no relevance with offer price, it is for guidance.

Specification of the materials to be used in the project.

1)	Cement (53 Grade) to be used as per IS Code 12269 of the following brand	a) Birla Gold b) Topcem c) ACC d) Ultratech
2)	Traditional Bricks (1 st Class) to be used as per IS Code 3495 of the following brand	Local brand conforming to specifications
3)	Sand (Coarse, Medium, Fine) to be used as per ISA Code 383 of the river bed	Local river bed material conforming to specifications
4)	Stone Chips (Crushers) to be used as per IS Code 2386 Part II of the following product	Local river bed material conforming to specifications
5)	Shingles (River bedded) of proper sizes to be used as per IS Code 2386 Part II of the River bed.	Local river bed material conforming to specifications
6)	R.B.M. (River bedded materials) 2:1:1 to be used of the following River bed	Local river bed material conforming to specifications
7)	M. S. Rod / Torq Rod to be used as per IS Code 2751 of the following branded	a) Tata b) Elegant
8)	GCI Sheet for roof to be used as per IS Code 277 of the following branded	a) Tata 0.60 mm
9)	Lime for white wash to be used as per IS Code 712 of the following branded	Material confirming to specifications
10)	Red oxide primer to be used as per IS Code 102 of the following branded	a) Berger b) Shalimar
11)	Primer / Enamel paint to be used as per IS Code 2932 of the following branded	a) Berger b) Shalimar
12)	Sanitary works of fitting Indian Type white glazed Pan ,Trao,pipe ,gas pipe etc	ISI Standard

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Price Sheet for Single Unit Labour Latrine in accordance with WHO Standard

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

Garden : **Tinkong/Rajgarh/Desam/Khowang/Bhamun/Hingrijan/Basmatia/Murphulani/Hoolungooree Tea Estates, Assam**

Item : **Single Unit Labour Latrine : WHO Standard**

Quantity Offered	Constructions of Single Unit Labour Latrine : WHO Standard on Trunkey basis as per Drawing No. Annexure - VI & Annexure - VII	Applicable Taxes	Unit Site Cost	Contract Price
Nos	Rs./Unit	Rs./Unit	Rs.	Rs.
99				

TINKONG TEA ESTATE
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BILL OF MATERIALS FOR WHO STANDARD SINGLE UNIT LABOUR LATRINE

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

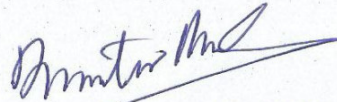
Er. Dibya Jyoti Borah

B.E. Civil

37, National Highway
P.O. Moranhat - 785670, Cell : 9435976403

Bill of Materials for Construction of Single Unit Labour Latrine (WHO STANDARD)
at Tinkong TE

Sl.No	items	Specification	Qty	Unit
1	Bricks	1st class	670	no
2	Cement	Topcem	4	bag
3	Sand		60	cft
4	Stone chip 3/4" etc.		3	cft
5	M.s. coil rod	6 mm	7	kg
6	Batten (1.25 cft) Roof	3"x2"x6'	5	pcs
7	Batten (1.25 cft) Door	1"x1.5"x6'	2	pcs
8	Batten (0.208 cft)	1"x1.5"x5'	4	pcs
9	CGI sheet	2.5'x6'	3	pcs
10	Alluminium plain sheet for door	2.5'x5.5'	1	pcs
11	Nail		0.2	kg
12	Black wire		0.2	kg
13	Bolt & Nut	6"	4	pcs
14	Pan with footstep		1	set
15	Syphone		1	no
16	Misc. (Citkani, kobja, Bitumin washer Roofing bolts, limpid washer, Door Handle etc.			L/s
17	Labour Charges complete construction of latrine (2 nos pit with wall plasteing ,carpenter job etc.	2		L/s
	Grand Total			


Dibya Jyoti Borah, B.E. (Civil)
Regd. No. 513/91-92
Consultant Engineer
Andrew Yule & Co. Ltd (Assam Garden)

TINKONG TEA ESTATE
Andrew Yule & Co. Ltd
 (A Government of India Enterprise)
 P.O. Tingkhong, Dist. Dibrugarh, Assam – 786 612

DRAWING FOR WHO STANDARD SINGLE UNIT LABOUR LATRINE

Ref. E-Tender No.: AYCL/TEA DIVISION/16/16-17/ET/121

Ref. Tender No.: TK/CAPITAL/16-17/2

