KHOWANG TEA ESTATE (A Government of India Enterprise) P.O. & Dist: Dibrugarh, Assam 785675

NOTICE INVITING TENDERS

Khowang Tea Estateon 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 Withering Trough on turn key basis, 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.	KH/CAPITAL/20-21/03		
		Dated.: 4.5.2020		
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/03/20-21/ET/05		
4.	Date of publication of e-Tender through			
	publication MSTC/AYCL websites and Central	5.5.2020		
	Public Procurement Portal			
5.	Date of availability of NIT to the Vendors for	6.5.2020		
	downloading			
6.	Earnest Money and other document	"Earnest Money Deposit" of Rs.50,000.00		
		(Rupees Fifty thousand only) may be paid		
		by D.D. favouring Andrew Yule &Co Ltd.		
		A/c Khowang Tea Estate payable at		
		Dibrugarh.		
		Other document as described in		
		Annexure – I, Sl. No. 2		

7.	Last date of submission of EMD & other	
	documents to Senior Manager, Khowang Tea Estate with an	
	email confirmation to General Manager,Tea Division at	
	chandan.bora@andrewyule.com	26.5.2020
8.	Date of Starting of e-Tender for submission of	To be intimated to the eligible vendor
	Online Techno-Commercial Bid and Price Bid	separately by email as well as through
	at	Corrigendum in the website.
	www.mstcecommerce.com/eprochome/aycl	
9.	Date of closing of Online e-tender for	To be intimated to the eligible vendor
	submission of Techno-Commercial Bid & Price	separately by email as well as through
	Bid at	Corrigendum in the website.
	www.mstcecommerce.com/eprochome/aycl	
10.	Date & time of opening of Part-I (Techno-	To be intimated to the eligible vendor
	Commercial Bid)	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

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KHOWANG TEA ESTATE (A Government of India Enterprise)

Important Instructions for E-procurement

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05
Ref. Tender No.: KH/CAPITAL/20-21/03

This is an e-procurement event of Khowang Tea Estate, Dibrugarh 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) <u>Registration:</u> 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 posses 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 SUBMITTEDON-LINE AT www.mstcecommerce.com/eprochome/aycl

- 1) Vendors are required to register themselves online with <u>www.mstcecommerce.com</u>→ 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):

Mr. Apurba Chutiya
 Senior Manager,
 KhowangTea Estate, Dibrugarh
 Assam-785675

Mobile No: 9435515705

Email: yule.khowang@gmail.com

Contact person (E-Commerce, MSTC Ltd):

1. Mr. Pritam Biswas, Asst. Manager (ERO) MobileNo: 9903248755

Email: pbiswas@mstcindia.co.in

2) Mr. Mayank Jain, Asst. Manager (ERO) Mobile- 9721277969

Email:mhjain@mstcindia.co.in

3. Mr. Vikash Kumar Jaiswal, Reigonal Manager (ERO)

Mobile-9903042449

Email: vikash@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 thepage www.mstcecommerce.com once)

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

Within specified Date & time the vendor must submit the following documents to Deputy General Manager, Khowang Tea Estate Dist: Dibrugarh, Assam 785675. Off-line.

- Earnest Money of Rs.50,000.00 (Rupees Fifty thousand only) by Demand Draft favouring Andrew Yule & Co. Ltd. A/C Khowang Tea Estate, Payable at Dibrugarh.
- 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 Khowang Tea Estate, Dibrugarh, 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 Khowang 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 Khowang Tea Estate will be short listed by Deputy General Manager, Khowang 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 en-Apple 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 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.
- i. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.

- j. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- k. Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can download Technical Comparative statement.
- I. Price bid will be opened electronically on specified date and time given in the NIT. Bidder(s) can download Price Comparative statement.
- m. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- n. 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**.
- o. It is mandatory that all the bids are submitted with Digital Signature Certificate otherwise the same will not be accepted by the system.
- p. 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.
- q. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the etender floor by any bidder confirms his acceptance of terms & conditions for the tender.
- r. 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 KHOWANG 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 / Khowang 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 the guide video requested read vendor and see the in the are to page www.mstcecommerce.com/eprochome/mstc of MSTC Ltd. to familiarize them with the system before bidding.

Notice Inviting Tender:

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05 Ref. Tender No.: KH/CAPITAL/20-21/03

Khowang Tea Estate on behalf of Andrew Yule & Co. Ltd., Tea Division, wishes Construction of Withering Trough.

Offers are invited from reputed contractors for wiring 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 Khowang Tea Estate, Dibrugarh, Assam 785675 within 21 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.50,000/- by Draft favouring Andrew Yule & Co. Ltd. A/C Khowang Tea Estate payable at Dibrugarh.
 - > 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. / Khowang Tea Estate.

The Bidder should have minimum 4 years of experience in the similar field and holding authority to deal with Andrew Yule & Co. Ltd./Dibrugarh Tea Estates. This should be supported by appropriate documentary evidence.

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

The OEM/Bidder should have own local support office / franchisee presence for the locations namely Dibrugarh/Tinsukhia and should be able to provide a Service Engineer as and when required.

GST registration is mandatory. Without GST registration the bidding(Part I) will be disqualified.

General Information

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05 Ref. Tender No.: KH/CAPITAL/20-21/03

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.

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

2. Details of Certificate

SI No.	Particulars	Registration No.	Remarks	
1.	Income Tax		Copy of Registration Certificate /	
		PAN Card to be attached		
2.	Trade Licence		Copy to be attached	
3.	GST		Copy to be attached	

3. List of Local Office

Sl. No	Location	Type of Centre		Bidders to Provide full	
		Company Operated Franchised a		address & Telephone No	

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.	

- List of services pertaining to similar field, made in last 5 years with customer reference
- 6. Copies of Work Orders : received from major Customer in the similar field.

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) / Khowang 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 :

General Terms& Conditions

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05 Ref. Tender No.: KH/CAPITAL/20-21/03

1. **Construction of Withering Trough** as per diagram & bill of material given.

1. <u>Delivery</u>

The entire work to be completed within 02 months from the date of receipt of order.

2. 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 $\frac{1}{2}$ % of contract value for each week or any part thereof default, where the delivery thereof will be accepted after expiry of the date stipulated for this purpose, but limited to a maximum of 10% of contract value

3. Force Majeure

Any delay or failure in the performance of either party hereto will not constitute default there under 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.

4. 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.

5. 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 the rules.

6. Price Variation

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

7. Guarantee

Written warranty of 12(Twelve) months to be to be given for the entire construction.

8. 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.50,000/-

EMD to be submitted by D.D. favouring **Andrew Yule & Co. Ltd.-A/c. Khowang Tea Estate**, payable at Dibrugarh

- 9. Decision for awarding contract/job is vested with the Management so as to reject, split / fragment.
- 10. Incomplete "Quotation/Offer" is liable to be rejected.
- 11. The offer must be valid for our acceptance for 90 days from the date of E- bidding.
- 12. All materials to be routed through Garden stores only.
- 13. All applicable Taxes will be deducted at source as per statute

- 14. Legal disputes if any will be subjected to Dibrugarh jurisdiction only
- 15. During the work period, the Management/ authorized representative(s) of the Management will have the right of inspection at any time during working hours.
- 16. Temporary shelter, and jugalis will be provided subject to Management's sole discretion.
- 17. I/We agree to the terms and conditions of LIQ.

I /We here by certify that the above particulars furnished by me /us above are true to the best of my/our knowledge and belief and misrepresentations of facts will render me / us liable to any action as may be deemed fit by Andrew Yule & Co. Ltd's Tea Division to reject or accept $\,$ my / our Bid in totality.

(Sign & Seal of Applicant)

Annexure-V

ANDREW YULE & COMPANY LIMITED Khowang Tea Estate

Price sheet for Construction of Withering Trough

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05
Ref. Tender No.: KH/CAPITAL/20-21/03

PRICE SHEET

Garden : <u>Khowang Tea Estate.</u>

Item : Construction of Withering Trough

Quantity Offered	Unit	Construction of Withering Trough	GST As applicable	Unit Site Cost	Contract Price
02	Buildings with 2 nos Troughs at each building, as specified	Rs.	Rs.	Rs.	Rs.

ANDREW YULE & COMPANY LIMITED Khowang Tea Estate

Drawing with Job Specifications & Bill of Materials

Ref. E-Tender No.: AYCL/TEA DIVISION/03/20-21/ET/05 Ref. Tender No.: KH/CAPITAL/20-21/03

New Trough Building No.1 with Two Troughs Size 100' x 16' = 1600 sqft Size 80' x 16' = 1280 sqft Bill of Materials

Part-1			
SI No	<u>Item</u>	Quantity	<u>Unit</u>
1	ISMB 150	846	kg
2	M.S. Plate 6 mm thick	300	kg
3	M.S. Pipe 60 mm OD for Truss	1344	kg
4	M.S. Pipe 48 mm OD for Truss & Purlin	2290	kg
5	M.S. Flat 50x5	190	kg
6	Welding Rod SWG 10	24	pkt
7	Welding Rod SWG 8	36	pkt
8	Bricks 1st class	4500	no
9	CGI sheet 0.40mm thick: 16' x 3'	90	рс
10	CGI sheet 0.40mm thick: 12' x 3'	38	рс
11	CGI sheet 0.40mm thick : 10' x 3'	72	рс
12	CGI sheet 0.30mm thick : 10' x 3' for Gable	40	рс
13	GI ridging 10'	18	рс
14	Brocken bricks for soling	1200	cft
15	Cement	272	bag
16	Sand	1000	cft
17	Stone chip 5/8	1700	cft
18	Red Oxide primer	40	ltr
19	Thinner	20	ltr
20	Synthetic paint	40	ltr
21	Oxygen for gas cutting	8	no
22	LPG for cutting	2	no
23	Aluminium gutter 20 swg x 3' wide	150	kg
24	Cutting disc 14"	40	рс
25	M.S. Nut & Bolt mixed size	25	kg
26	Roofing screw	2000	рс
27	Earth filling 350cft per trip	15	trip
28	Misc hardware item, coir, bamboo,	l.s.	
	shuttering, wire nail etc.		

29 Labour charges

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1	ISA 50x50x5	2600	kg
2	ISA 40x40x5	520	kg
3	MS pipe 33 mm OD	520	kg
4	MS welded mesh 1"x3" of 4' wide	5	roll
5	MS welded mesh 1"x3" of 6' wide	10	roll
6	Netlon mesh	2913	sqft
7	Welding rod 10 swg	42	pkt
8	Brick 1st class	6600	no
9	Cement	125	bag
10	Sand	600	cft
11	Stone chip 5/8	200	cft
12	MS rod 10 mm	842	kg
13	MS rod 6 mm	58	kg
14	Binding wire	9	kg
15	Misc hardware items, coir, bamboo,	l.s.	рс
	shuttering, wire nail etc		
	Ducting portion:		
16	ISA 50x50x5	300	kg
17	ISA 40x40x5	600	kg
18	MS sheet 18G 8x4	40	рс
19	Axial Flow Fan 48" dia x 5HP	6	set
20	Electrical wiring with armoured cable,	l.s.	
	m.s. starter of proper range incl switch		
	box		
21	Labour charge		

New Trough Building No.2 with Two Troughs Size 100' x 12' = 1008 sqft, Each Bill of Materials

Part-1			
<u>Sl No</u>	<u>Item</u>	Quantity	<u>Unit</u>
1	ISMB 150	650	kg
2	M.S. Plate 6 mm thick	320	kg
3	M.S. Pipe 60 mm OD fro Truss	1014	kg
4	M.S. Pipe 48 mm OD for Truss & Purlin	1830	kg
5	M.S. Flat 50x5	385	kg
6	Welding Rod SWG 10	28	pkt
7	Welding Rod SWG 8	32	pkt
8	Bricks 1st class	3500	no
9	CGI sheet 0.40mm thick : 16' x 3'	42	рс
	CGI sheet 0.40mm thick : 14' x 3'	16	рс
	CGI sheet 0.40mm thick: 12' x 3'	28	рс
	CGI sheet 0.40mm thick : 10' x 3'	56	рс
10	CGI sheet 0.30mm thick : 10' x 3' for Gable	40	рс
11	GI ridging 10'	18	рс
12	Brocken bricks for soling	1000	cft
13	Cement	182	bag
14	Sand	700	cft
15	Stone chip 5/8	1000	cft
16	Red Oxide primer	30	ltr
17	Thinner	20	ltr
18	Synthetic paint	30	ltr
19	Oxygen for gas cutting	8	no
20	LPG for cutting	1	no
21	Aluminium gutter 20 swg x 3' wide	140	kg
22	Cutting disc 14"	14	рс
23	M.S. Nut & Bolt mixed size	22	kg
24	Roofing screw	1800	рс
25	Earth filling 350cft per trip	22	trip
26	Misc hardware item, coir, bamboo,	l.s.	
	shuttering, wire nail etc.		
27	Labour charges		
D- 1 3			
Part-2	ICA FOUFOUE	4.630	l
1	ISA 50x50x5	1630	kg
2	ISA 40x40x5	380	kg
3	MS pipe 33 mm OD	150	kg
4	MS welded mesh 1"x3" of 6' wide	8 2100	roll
5	Netlon mesh	2100	sqft
6	Welding rod 10 swg	48	pkt

7	Brick 1st class	6200	no
8	Cement	120	bag
9	Sand	700	cft
10	Stone chip 5/8	150	cft
11	MS rod 10 mm	600	kg
12	MS rod 6 mm	45	kg
13	Binding wire	9	kg
14	Misc hardware items, coir, bamboo,	l.s.	рс
	shuttering, wire nail etc		
	Ducting portion:		
15	ISA 50x50x5	200	kg
16	ISA 40x40x5	450	kg
17	MS sheet 18G 8x4	20	рс
18	Axial Flow Fan 48" dia x 5HP	4	set
19	Electrical wiring with armoured cable,	l.s.	
	m.s. starter of proper range incl switch		
	box		
20	Labour charges		

Job Construction of Withering Trough-2 buildings with 2 open troughs at each building

Size As per Drawing

Materials As per Bill of Materials

<u>Job Specification :</u>

SI No	Name of work	Size/Qnty
1	Earth work in excavation for foundation for plinth wall and column footing in ordinary soil for both the trough house 1&2	22x0.76x0.76x0.91 = 11.56 cum
2	Providing river silt or loose soil in filling up of plinth up to plinth level of both building 1&2 including levelling, ramming, compacting with water filling at site	238 cum
3	Providing flat brick soling under the wall foundation, column footing and floor for building 1 & 2	822 sqm
4	Providing PCC work in the floor and in grouting the column in 1:2:4 as specified in both building 1 & 2	63.03 cum
5	Providing brick work in the plinth with morter mix 1:5 up to 1'6" height for plinth work for building 1 & 2	12.21 cum
6	Providing, measuring, and fabrication of ISMB 150 with top and Base plate for column for building 1 & 2 including errection in position including applying primming coat of Red Oxide primer	16.40 qntls
7	Providing, measuring, cutting of 60mm, 48mm OD pipe for tubular truss & purlins as per drawing including base plate, gusset plate, complete fabrication, errection, fitting, fixing in position, applying of primming coat of Red Oxide for Bldg 1&2	as per drawing & Bill of materials
8	Providing, fitting & fixing of CGI sheet pf 0.40mm thick of approved brand for Roofing of the building 1 & 2	as per drawing & Bill of materials
9	Providing, fitting & fixing of CGI sheet 0.30 mm thick of approved brand of Gable end of the building 1 & 2	as per drawing & Bill of materials
10	Providing RCC tie mean and RCC post of 10mm for steel along the wall of all open trough at ground level including cutting, binding stirrup 6 mm rod with wire, shuttering etc complete	as per drawing & Bill of materials
11	Providing half brick work in morter mix 1:5 for open trough wall Up to height 4', plastering both side of the wall for all 4 no open trough as specified in the drawing	Total 4 no Total 490.71 sqm Wall height 1.21m
12	Providing, measuring, cutting, fabrication of spreading area with ISA 50x50x5 and ISA 40x40x5 fitting, fixing in spacing as specified in the drawing at 3'6" height from floor level in the brick wall for all the open trough including Red Oxide primer	Total 4 no Total 490.71 sqm
13	Providing, laying, fitting and fixing of m.s. welded mesh 1"x3" and 6'x4' wide roll for spreading area including Red Oxide primer	Total 4 no Total 490.71 sqm
14	Providing, laying and fitting fixing of netlon mesh on top of spreading floor as specified	Total 4 no Total 490.71 sqm
15	Providing, laying & fixing of Axial Flow Fan for all open trough of approved rating including fabrication of duct with swg 18 m.s. sheet ISA 40x40x5 & ISA 50x50x5 as support as per drawing including painting with Red oxide	10 set each of length 8'
16	Providing electrical connection with proper rating of armoured cable.ms box, starter etc including laying, drawing, fitting & fixing	10 no Fan 5 HP each







