M/s.IMAIGAL TRUST

(Implementing Agency - Kongu Coir Cluster, Erode)

Regd. Office: No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand,

Near Park Palace hotel, Erode - 638003

Phone: +91-424-4971810, **Mobile:** +91-8248786810

Email: imaigalcluster@gmail.com

TENDER REFERENCE No. SFURTI-II/TN-ERODE/BLDG-001/2019-20

TENDER FOR THE CONSTRUCTION OF INDUSTRIAL WORK SHED BUILDINGS AND AMENITIES FOR THE COMMON FACILITY CENTER OF KONGU COIR CLUSTER, ERODE

Date & Time of Release of Tender	13.01.2020, 11.00 AM
Date & Time of Pre-Bid Meeting	27.01.2020, 11.00 AM
Last Date & Time for Submission of Bid	05.02.2020, 02.00 PM
Date & Time of Opening of Bid (Technical bid only)	05.02.2020, 03.00 PM

Prepared by

ITCOT Consultancy and Services Limited

(Technical Agency – SFURTI Coir Clusters, Tamilnadu) **E-mail:** info@itcot.com. **Website:** www.itcot.com

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TENDER FOR THE CONSTRUCTION OF INDUSTRIAL WORK SHED BUILDINGS AND AMENITIES FOR KONGU COIR CLUSTER, ERODE

1. PREAMBLE

Ministry of MSME, Government of India has formulated "Scheme of Fund for Regeneration of Traditional Industries (SFURTI)", for the development of Village industries and Coir clusters in order to organize the traditional industries and artisans for their growth and long term sustainability. The scheme stipulates Coir Board as the Nodal Agency for coir clusters.

The scheme specifies the following institutional arrangement at the operational level:

- ➤ a Special Purpose Vehicle (SPV) be formed to develop and manage the cluster
- > an Implementing Agency (IA) is appointed to undertake scheme implementation
- ➤ a Technical Agency (TA) is designated to assist and guide the scheme implementation

Kongu Coir Cluster, Erode is approved under the scheme. M/s.Sri Kongu Coir Cluster Private Limited, having administrative office at No.27, Nehru Street, Saminathapuram, Erode, is the Special Purpose Vehicle (SPV) of the Cluster. M/s.Imaigal Trust is the Implementing agency of the cluster and M/s.ITCOT Consultancy and Services Limited is the designated Technical agency for the cluster.

The scheme envisages establishment of upgraded production infrastructure, as the Common Facility Center (CFC), for the manufacturing of coir products and stipulates the building construction and machinery procurement for the establishment of CFC should adhere the General Financial Rules (GFR) of Government of India. Accordingly, the tender procedures are being undertaken for the construction of CFC building works and procurement of machineries.

M/s.Sri Kongu Coir Cluster Private Limited, the Special Purpose Vehicle (SPV) of Kongu Coir Cluster, Erode, having the administrative office at No.27, Nehru Street, Saminathapuram, Erode, propose to establish a Common Facility Centre (CFC) at S.F.No.461/1, Ichipalayam village, Kodumudi Taluk, Erode District, Tamilnadu with the financial assistance from Government of India under SFURTI.

In this context, on behalf of SPV, **M/s.Imaigal Trust**, the Implementing Agency (IA) of Kongu Coir Cluster, Erode having administrative office at No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand, Near Park Palace hotel, Erode-638003, invites sealed tenders from Civil contractors in "Two Cover System" for the construction of industrial work shed buildings and amenities for the Common Facility Center for Kongu Coir Cluster, Erode through transparent bidding process. The Tender notification has been published fixing the date of opening of tender as 05.02.2020.

2. SCOPE OF WORK

- a) The successful tenderer should undertake construction of industrial work shed buildings and amenities at SF.No.461/1, Ichipalayam village, Kodumudi Taluk, Erode District as per the drawings and Estimate/Bill of Quantity (BoQ) given in Annexure-I.
- b) The successful tenderer should complete the construction of industrial work shed buildings and amenities within 120 days from the date of receipt of Work Order. The time line for the cumulative percentage of work to be completed based on the value of work shall be as given below:

Days	Percentage of	
	work to be completed	
1 st 30 days	Min. 20% of total contract value	
2 nd 30 days	Min. 50% of total contract value	
3 rd 30 days	Min. 80% of total contract value	
4 th 30 days	100% of total contract value	

3. QUALIFICATION CRITERIA

Clause	Qualification Criteria Supporting Document			
3(a)	The tenderer should be a registered	(i) In case of Private / Public Limited		
	legal entity.	Companies,		
		• Copy of Incorporation		
		Certificate issued by the		
		Registrar of Companies		
		 Copy of Memorandum and 		
		Articles of Association		
	(ii) In case of Partnership Firm,			
	Registered Partnership deed			
		(iii) In case of Proprietorship Concern,		
		• Copy of Udyog Aadhaar/ GST		
		Registration Certificate / PAN		
		Card.		
3(b)	The tenderer should be an eligible			
	Civil contractor	PWD as Class I Contractor or from		
		Highways department		
		(ii) Valid registration of GST		
3(c)	The tenderer should have at least 3	(i) Work orders issued by clients		
	years of experience (as on 31 st	(ii) Performance certificate issued by		
	December 2019) as Civil	clients		
	contractor. (iii)List of construction works execute			
	in last 3 years as per Annexure-V			
3(d)	The tenderer should have been	(i) Work orders issued by clients		
	awarded and successfully	(ii) Performance certificate issued by		
	completed at least three works of	clients		
	similar nature with Government			

	Organizations / Public Sector Undertakings in the last 3 years (as on 31 st December 2019).	
3(e)	The tenderer should have reported an Average Annual Turnover of Rs.2.00 Crores in the last three consecutive financial years i.e. 2016-17, 2017-18 and 2018-19.	 (i) The average annual turnover statement duly certified by Chartered Accountant as per Annexure IV (ii) The Annual Report/ certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years
3(f)	The tenderer should not have been blacklisted for supply of any items or services by any Government departments/agency	The declaration form as per Annexure VI should be enclosed.

4. LANGUAGE OF THE TENDER

The Tender prepared by the tenderer as well as all correspondences and documents relating to the Tender shall be in English language only. If the supporting documents are in a language other than English/Tamil, the notarized translated English version of the documents should also be enclosed.

5. PURCHASE OF TENDER DOCUMENTS

- a) The tender document shall be downloaded from **www.coirboard.gov.in** or **www.itcot.com** at free of cost. The tenderer should give a declaration for not having tampered the Tender document downloaded from Internet (as per Annexure VII).
- b) The tender document can be downloaded from 13.01.2020 to 04.02.2020.

6. PREBID MEETING

Trust, No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand, Near Park Palace Hotel, Erode-638003 during which the prospective tenderers can get clarifications about the tender. The tenderers shall send their queries in writing if any so as to reach IA at least two days prior to the pre-bid meeting date. The tenderers are advised to check www.coirboard.gov.in or www.itcot.com for up-to-date information like change in date / venue etc., of pre-bid meeting as IA may not be able to identify and communicate with the prospective bidders at this stage. Non attending of pre-bid meeting is not a disqualification.

7. CLARIFICATION ON THE TENDER DOCUMENT

The tenderers may ask for queries in any of the clauses in the tender document before 48 hours of the opening of the tender. Such queries may be sent in writing to "M/s.Imaigal Trust, No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand, Near Park Palace Hotel, Erode-638003" or by e-mail to imaigalcluster@gmail.com. IA will upload the clarification on www.coirboard.gov.in or www.itcot.com. It is binding on the part of tenderers to check the above said websites for any amendments or clarifications posted during the entire tender process.

8. AMENDMENT OF TENDER DOCUMENT

IA whether on its own initiative or as a result of a query, suggestion or comment of an Applicant or a Respondent, may modify the tender document by issuing an addendum or a corrigendum at any time before the opening of the tender, with the concurrence of the tender committee. Any such addendum or corrigendum will be uploaded on **www.coirboard.gov.in or www.itcot.com** and the same will be binding on all Applicants or Respondents or Tenderers, as the case may be.

9. AUTHORISATION OF THE TENDERER

The Tender should be signed on each page by the tenderer or by the person who is duly authorized for the same by the tenderer.

10. PRE-VISIT OF SITE

The tenderer, on his/her own responsibility, risk and cost, is advised to visit and examine the site of works at SF.No.461/1, Ichipalayam village, Kodumudi Taluk, Erode District and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for the work(s) as mentioned in the Annexure (I).

11. SPECIFIC INSTRUCTIONS TO BIDDERS / CONTRACTORS FOR QUOTING OF RATES

- (a) The contractors are requested to read the detailed specification and quote the rates clearly in the Price bid. Quoting the rates in the Price bid will only be taken up for comparison and shall be final.
- (b) The tenders invited are based on item wise rates mentioned in the estimate of works/BoQ. Any lumpsum deductions or increase or rebate offered either in the tender

or in the covering letter or at any portion of the tender will be ignored and only the rates offered in the Price bid alone will be taken as valid rates and taken up for tender comparison. Rates or Lumpsum amounts for items not called for shall not be included in the tender. Any alteration made by tenderer in the contract form, the conditions to Contract, the drawings, specification, or quantities accompanying the same will not be recognised and if any such alterations are made the tender will be void.

- (c) The tenderer / contractor will make his/her/their own arrangements to procure and use ISI Brand Cement and ISI Brand steel required for the work.
- (d) It should be clearly understood that the rate quoted by the tenderer / contractor is inclusive of incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete.
- (e) The tenderer / contractor will produce test certificate obtained from any one of the Govt. institutions for cement and steel brought to site. And only when the test results confirm to the ISI specification they will be allowed to be used in the works.
- (f) The tenderer / Contractor should strictly follow above instructions without fail.

12. SUBMISSION OF TENDER IN TWO COVER SYSTEM

- (a) Every page of the terms and conditions of the tender document should be signed and enclosed with the tender, in token of having accepted the tender conditions. Failing which the tender will be rejected summarily.
- (b) Tenders should be submitted in two parts:
 - i. Part I will cover technical bid and
 - ii. Part II will cover price bid
- (c) Tenderers should ensure submission of all documents pertaining to Part-I and Part II proposals separately as per the Check list given in Annexure -X.
- (d) Tenderers are requested to place Part I and Part II documents in separate sealed covers. Part I cover to be superscripted as "Part I Technical bid" and Part II cover to be superscripted as "Part II Price bid" respectively, mentioning the name and address of the Tenderer in each of the both covers. These two sealed covers (Part I and Part II) must be placed in a single outer cover superscripted as "Tender for the construction of work shed buildings and amenities for Kongu Coir Cluster, Erode" and addressed to "M/s.Imaigal Trust, C/o. Regional Office Coir Board, No.41, Nehru Street, Mahalingapuram, Near Roundana, Beside Water Tank, Pollachi 642002, Tamilnadu" mentioning the name and address of the Tenderer in the outer cover. Tenders shall be submitted in sealed cover and unsealed tenders would summarily be rejected.
- (e) Tenders should be dropped only in the tender box kept at the office of "Regional Office Coir Board, No.41, Nehru Street, Mahalingapuram, Near Roundana, Beside Water Tank, Pollachi 642002" on or before 02.00 PM on 05.02.2020. Tenders will not be received by hand.

- (f) Alternatively, the tenders can be submitted through registered post so as to reach the above address on or before 02.00 PM on 05.02.2020. Tenders received after the specified time will not be considered and IA will not be liable or responsible for any postal delays.
- (g) A tender once submitted shall not be permitted to be altered or amended.

13. EARNEST MONEY DEPOSIT

- (a) The Tender should be accompanied by an Earnest Money Deposit (EMD) to the value of Rs.1,50,000 /- (Rupees One lakh Fifty thousand only) in the form of Account Payee Demand Draft drawn on any Indian Nationalized/Scheduled Commercial Bank in favour of "HI Account Erode Kongu Coir Cluster", payable at Erode. The EMD in any other form will not be accepted. The Earnest Money Deposit will be returned to the unsuccessful tenderers at the earliest on the expiry of final bid validity and latest on or before the 30th day of the award of contract.
- (b) The Earnest Money Deposit will be retained in the case of successful tenderer and it will not earn any interest and will be dealt with, as provided in the terms and conditions of the tender.
- (c) Any request of the tenderer, under any circumstances claiming exemption from payment of EMD will be rejected and their Part II price offer will not be opened.
- (d) If the tenderer emerges as the successful bidder and after subsequent issuance of letter of acceptance by the IA, failure to sign the agreement, to remit the Security Deposit or to execute the contract as per tender conditions, will result in the forfeiture of the EMD amount remitted.

14. VALIDITY

- (a) The rate quoted in the Tender should be valid for the acceptance by the IA for a minimum period of 90 days from the date of opening of the Tender.
- (b) The accepted rate of the successful tenderer is valid till the entire contract is fully completed. Escalation in the rates will not be entertained under any circumstances.

15. OPENING AND EVALUATION OF THE TENDER

(a) The tender box will be closed at 02.00 PM as per the office clock on 05.02.2020 and the received tenders in the tender box will only be opened. Tenders received after specified date and time will not be accepted. The Tender will be opened by the Tender committee at 03.00 PM on the same day in the presence of the available Tenderers/ representatives of the Tenderers who choose to be present. The Tenderers or their authorized agents are allowed to be present at the time of opening of the tenders.

- (b) Tender Committee will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the presence of the Tenderers. If any of the Tenderers or agents not present then, in such cases the Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- (c) If the date fixed for opening of the tender happens to be a Government holiday, the sealed tenders will be received up to 02.00 PM on the next working day and opened at 03.00 PM on the same day.
- (d) The Technical bid will be evaluated by the tender committee in terms of the qualification Criteria. The committee reserves the right to disqualify any of the tender in case the Committee is not satisfied with the documents furnished.
- (e) After the completion of evaluation of technical bids, the tenderers declared as qualified by the Committee, will be informed the date of opening of Price bid (Part II).

16. PRICE OFFER

- (a) The Price bid should be kept only in the Part II cover.
- (b) The price bid should be prepared as per Annexure-IX.
- (c) The price should be neatly and legibly written both in figures and words.
- (d) In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.
- (e) If a bidder quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.
- (f) Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.

17. EVALUATION OF THE PRICE

- (a) The Tender committee will examine for complete, properly signed and error-free nature of the Price bid (Part II)
- (b) The comparison of the rates offered shall be based on the total all inclusive rates offered (i.e. sum of all inclusive rate offered for all the tendered items).

18. AWARD OF CONTRACT

- (a) The Tenderer who has quoted lowest price (L1) will be issued the 'Letter of Acceptance' by the Implementing Agency.
- (b) In unavoidable circumstances, such as receipt of very limited bids or the proposal prices are substantially higher than the market value / updated cost estimate or available budget, the committee may decide upon resorting to Negotiation with the lowest evaluated responsive bidder. In such cases, the Tenderer who has quoted lowest price (L1) will be invited for negotiations and after finalizing the negotiated rate, Letter of Acceptance will be issued.

19. SECURITY DEPOSIT

- (a) On receipt of the Letter of Acceptance from IA, the successful tenderer should remit a Security Deposit (SD) of 5% of the value of the contract in the form of Account payee Demand Draft from any Indian Nationalized/Scheduled Commercial Bank or irrevocable Bank Guarantee with a validity period of one year in favour of "HI Account Erode Kongu Coir Cluster", payable at Erode, within 10 (Ten) working days from the date of receipt of letter of acceptance. The EMD shall be adjusted with the Security Deposit.
- (b) Any other amount pending with IA will not be adjusted under any circumstances, against the Security Deposit if so requested.
- (c) If the Security Deposit amount is not paid within the time specified, the EMD remitted by the tenderer shall be forfeited, besides cancelling the communication of acceptance of the Tender.
- (d) Security Deposit amount remitted will not earn any interest.

20. AGREEMENT

The successful tenderer should execute an agreement as may be drawn up to suit the conditions on a non-judicial stamp paper of value, as prescribed in law on the date of remittance of Security Deposit and shall pay for all stamps and legal expenses incidental thereto. In the event of failure to execute the agreement, within the time prescribed, the EMD/SD amount remitted by the tenderer will be forfeited besides cancelling the Tender.

21. ISSUE OF WORK ORDER

After payment of Security Deposit and successful execution of the agreement, Work Order will be released within 10 days by the IA. The successful tenderer should complete the

construction of industrial work shed buildings and amenities within 120 days from the date of receipt of Work Order

22. EMPLOYMENT OF TECHNICAL ASSISTANTS

- (a) The tenderer shall employ qualified technical persons at his cost to supervise the work and the tenderer should ensure the presence of the technical persons at the site of work during working hours, monitoring all items of works and paying extra attention to such works as may demand special attention.
- (b) A movement register should be opened and maintained for Technical persons employed by the Contractor. The Technical persons should note the arrival and the departure timings every day along with their initials in a register. Such Register should be produced during inspection of the Inspecting Officers (Tender committee members).

23. PAYMENT TERMS

- (a) **20%** of the contract value will be paid on completion of Foundation level works and submission of Stage level completion certificate by a Chartered Engineer, based on the inspection report by Tender Committee.
- (b) **40%** of the contract value will be paid on completion of roof level works and submission of Stage level completion certificate by a Chartered Engineer, based on the inspection report by Tender Committee.
- (c) **The balance 40% and SD** will be released only after satisfactory completion of the entire contract based on the inspection report by Tender Committee and submission of Chartered Engineer's work completion and valuation certificate.
- (d) IA also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the IA immediately on demand, without raising any dispute/protest.

24. PENALTY

- (a) Failure to execute the entire contract within 120 days from the date of issue of work order will attract a penalty of 1% per week, on the full value of the contract upto a maximum of 5%. Delays beyond that period will be viewed as violation of the contract terms and will be dealt accordingly.
- (b) Implementing agency reserves the right to inspect the site at any point of time during the contract period to ensure the progress and quality of work carried out. During the inspection, if any discrepancies found in the quality of work / material used, the IA,

with the approval of the tender committee, reserves the right to order for any rework(s) / replace any item(s) of material, as the case may be, in order to ensure the quality of work / progress as per the contract terms.

- (c) All the materials used for construction shall be first use, new, high quality material. Old or Used materials will not be accepted and if found, the decision of Committee, either for rework / replace / deduction in payment shall be binding on the contractor.
- (d) Any delay on the part of IA should be intimated and sorted out immediately without affecting the progress of works.

25. TERMINATION OF CONTRACT

IA reserves the right to terminate the contract at any time during the validity period on account of non-fulfillment of contract or for any of the reasons.

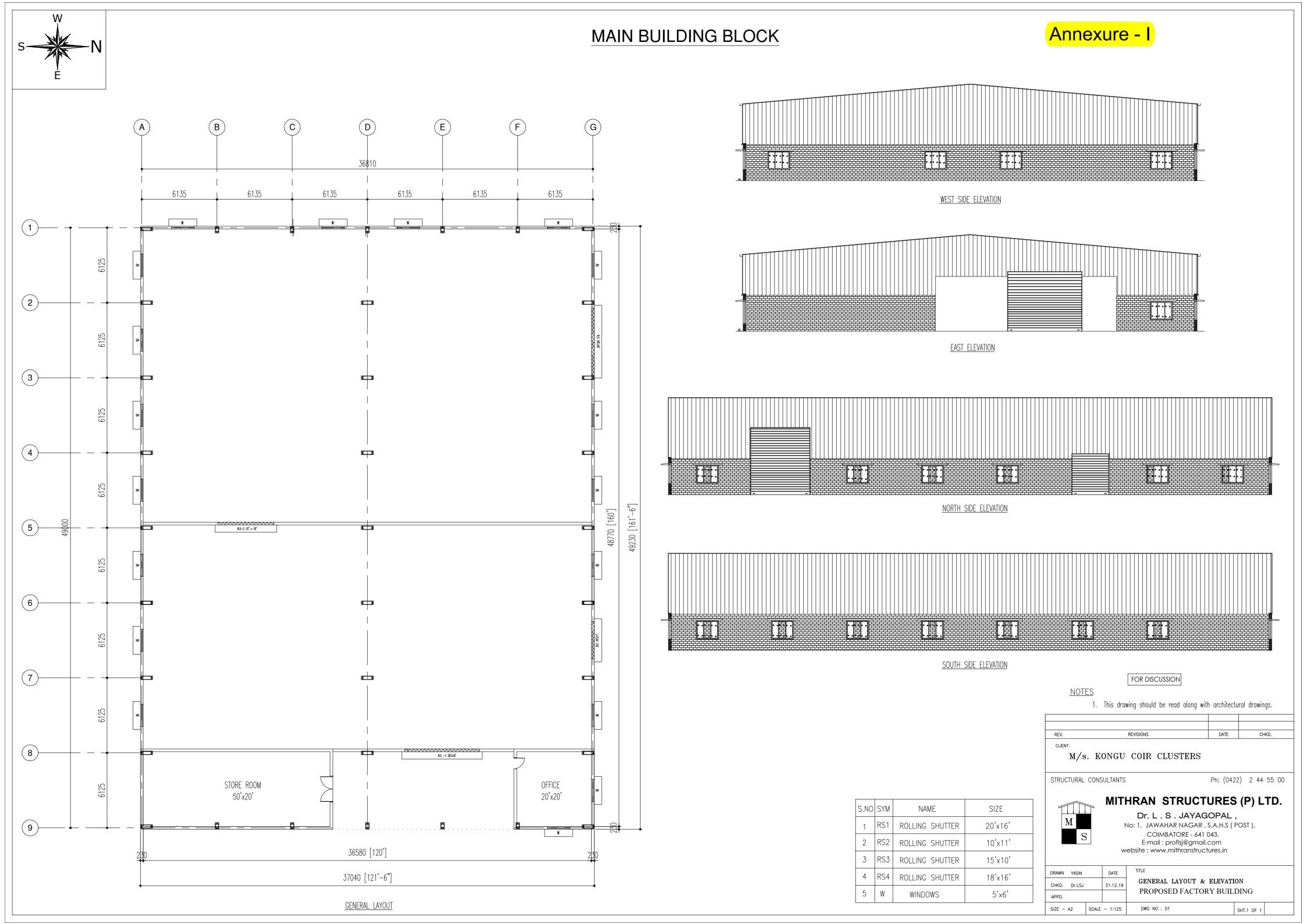
26. GENERAL CONDITIONS

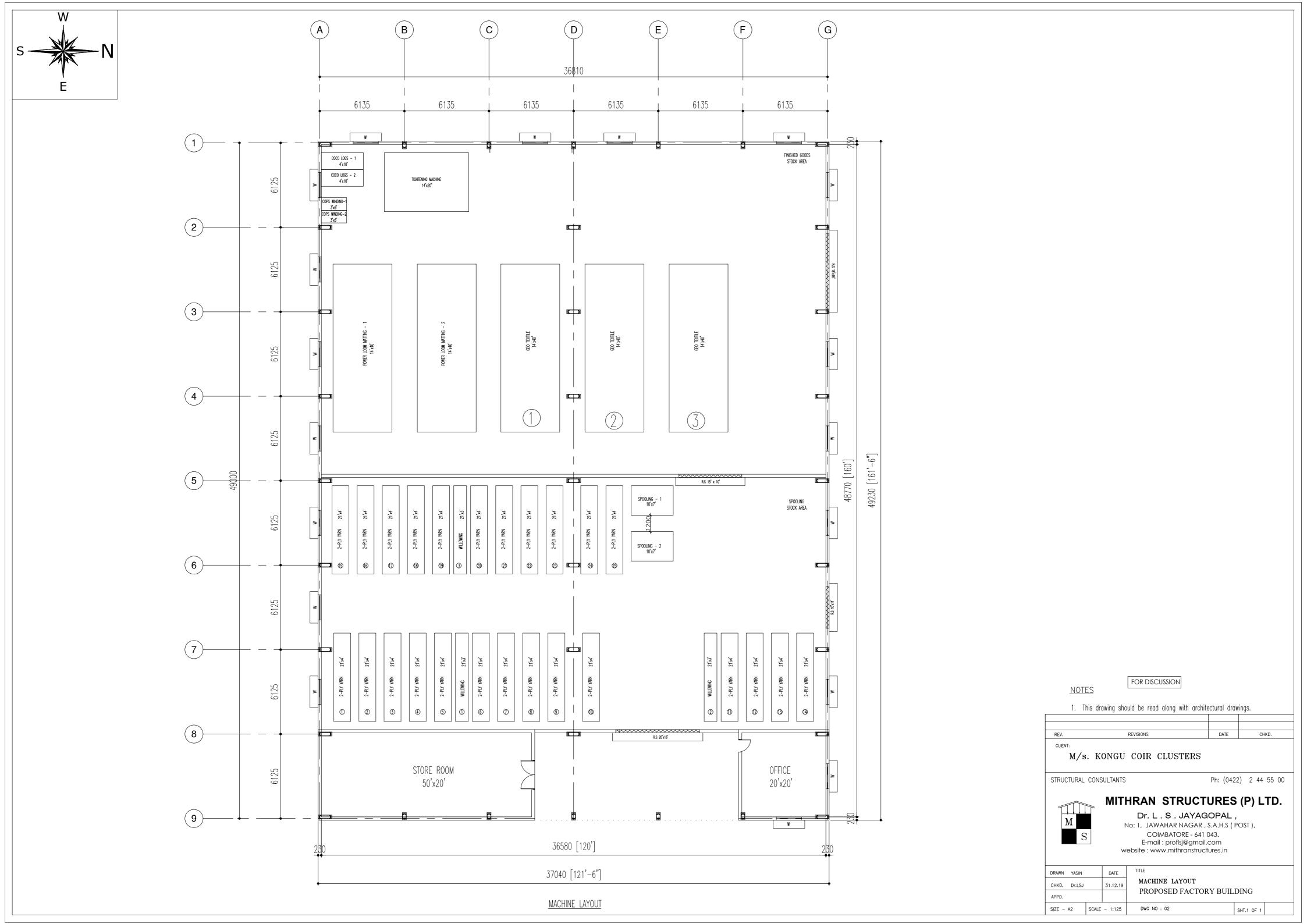
- (a) Conditional tender in any form will not be accepted.
- (b) Any notice regarding any matters, to the contractor shall deemed to be sufficiently served, if given in writing to his usual or last known place of business.
- (c) Tender committee reserves the right to relax or waive or amend any of the tender conditions.
- (d) The successful tenderer shall not outsource/off load either full or part of the work to any other agency / individual.
- (e) If the performance of the tenderer is not as per the schedule, then tender committee reserves the right to cancel / reallocate full or part of the contract, at any stage of the contract execution.

27. ARBITRATION

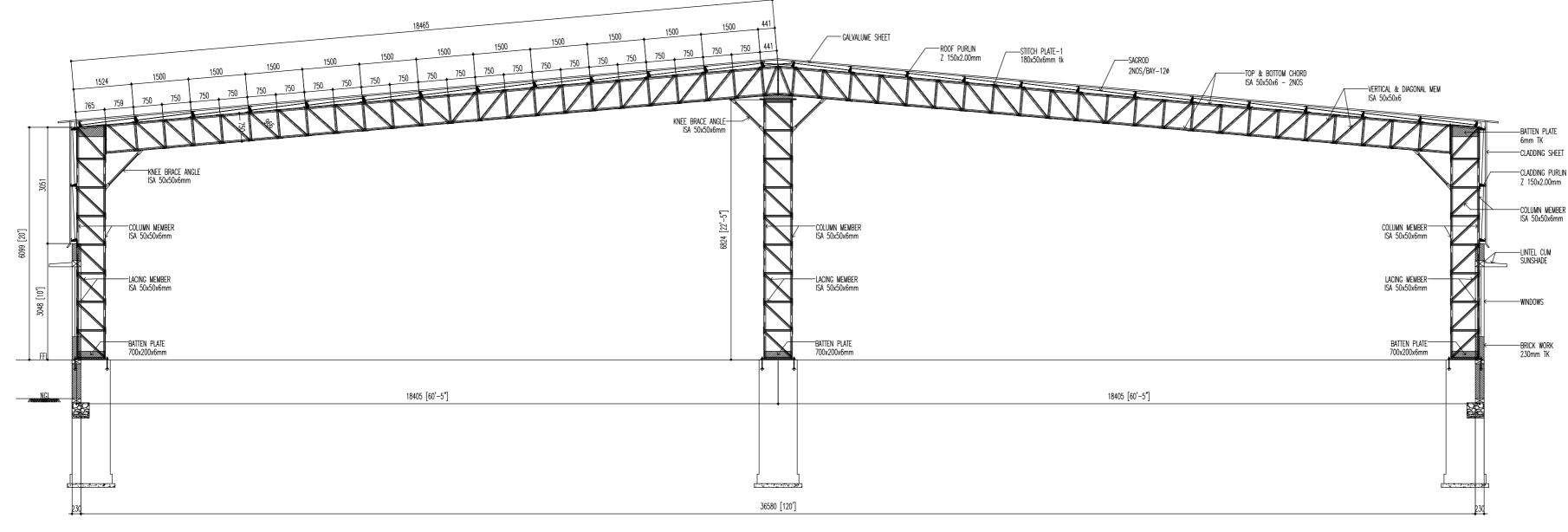
- (a) In case of any dispute in the tender, including interpretation, if any, on the clauses of the tender or the agreement to be executed, the matter shall be referred by IA / Tenderer to an Arbitrator to be appointed by the Parties hereto by mutual agreement. If no such Arbitrator could be appointed by mutual consent, the matter may then be referred to the Chairman, Coir Board for nominating an Arbitrator, the Arbitration proceedings being governed by the Arbitration and Conciliation (Amendment) Act 2015.
- (b) The venue of the Arbitration shall be at the Regional Office Coir Board, No.41, Nehru Street, Mahalingapuram, Near Roundana, Beside Water Tank, Pollachi 642002. The decision of the Arbitrator shall be final and binding on both the parties to the Arbitration.

(c) The Arbitrator may with the mutual consent of the parties, extend the time for making the award. The award to be passed by the Arbitrator is enforceable in the court at Erode only.				
28. JURISDICTION OF THE COURT				
Any dispute arising out of non-fulfillment of any of the terms and conditions of this Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in the City of Erode only.				
We agree to the above terms and conditions.				
SIGNATURE OF THE TENDERER:				
DATE:				
NAME IN BLOCK LETTERS:				
DESIGNATION:				
ADDRESS:				

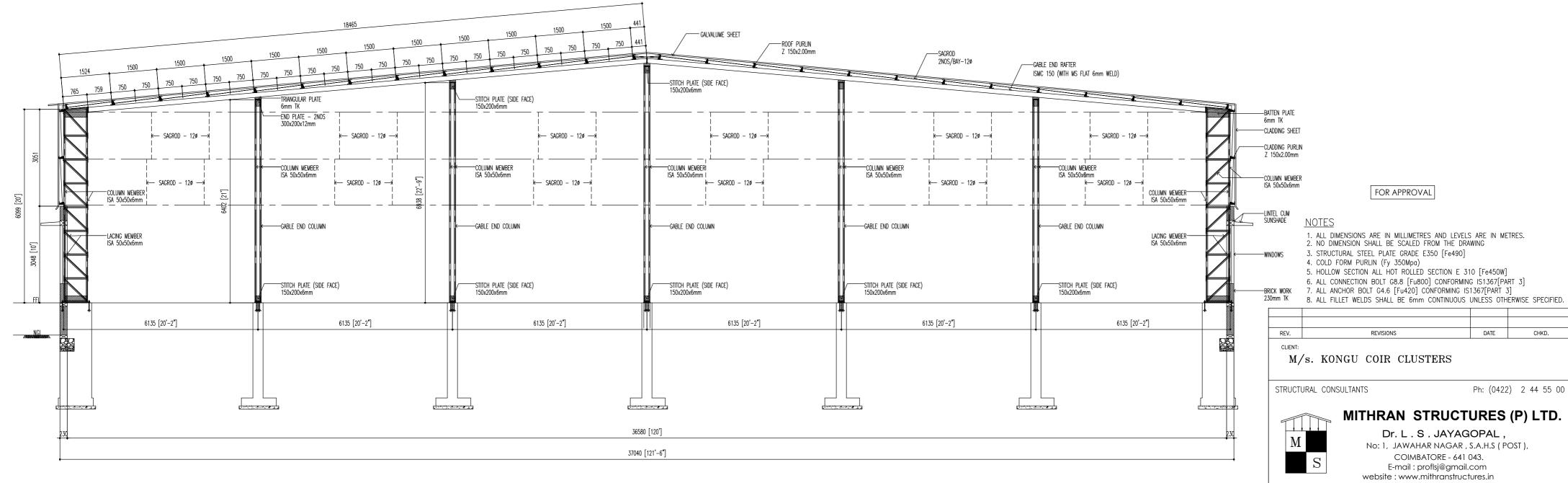




CROSS SECTION DETAILS — GALVALUME SHEET



MAIN TRUSS CROSS SECTION



REVISIONS

M/s. KONGU COIR CLUSTERS

STRUCTURAL CONSULTANTS

Ph: (0422) 2 44 55 00

SHT.1 OF 1

DATE

CHKD.



MITHRAN STRUCTURES (P) LTD.

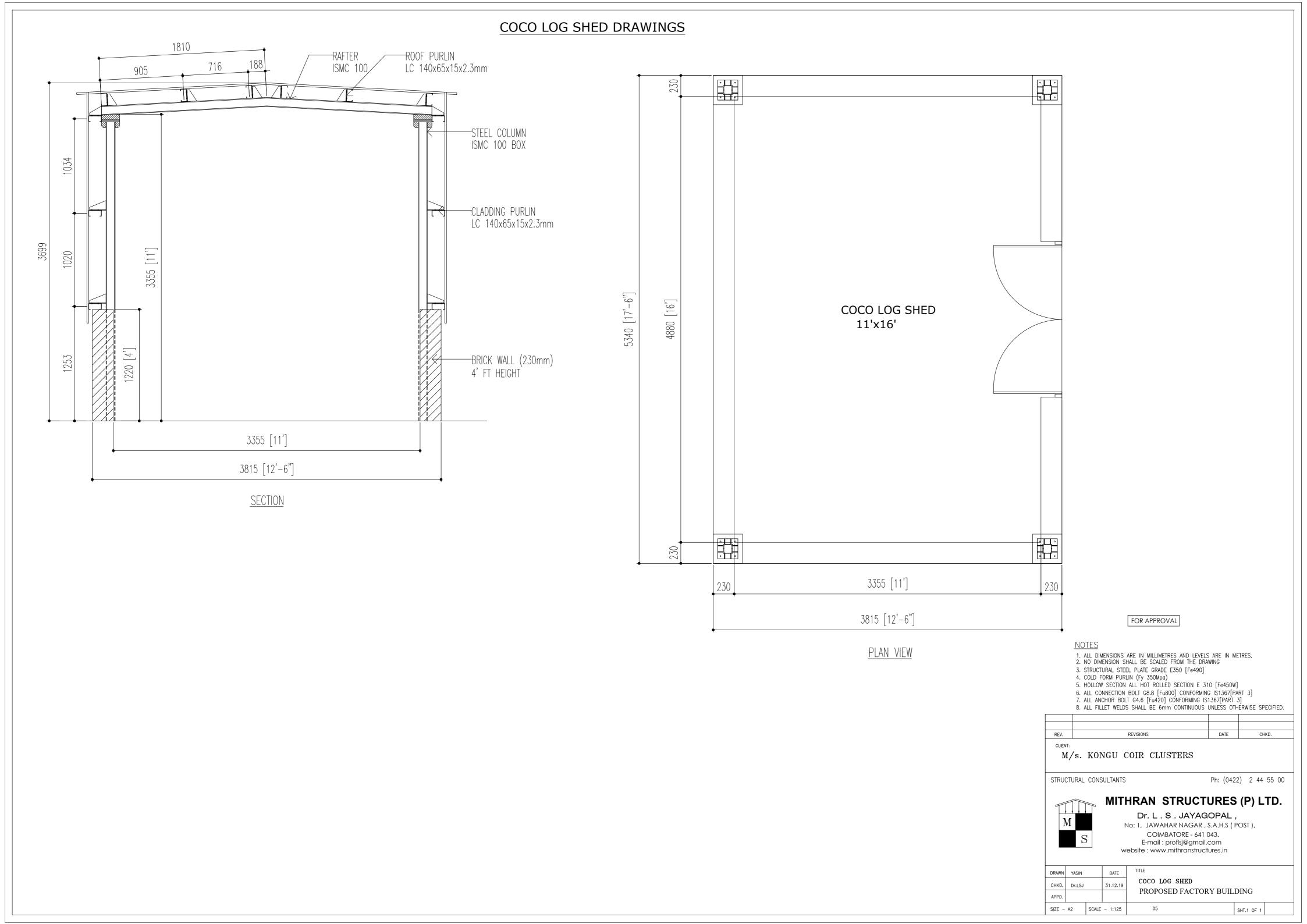
Dr. L . S . JAYAGOPAL , No: 1, JAWAHAR NAGAR, S.A.H.S (POST), COIMBATORE - 641 043. E-mail : proflsj@gmail.com

website: www.mithranstructures.in

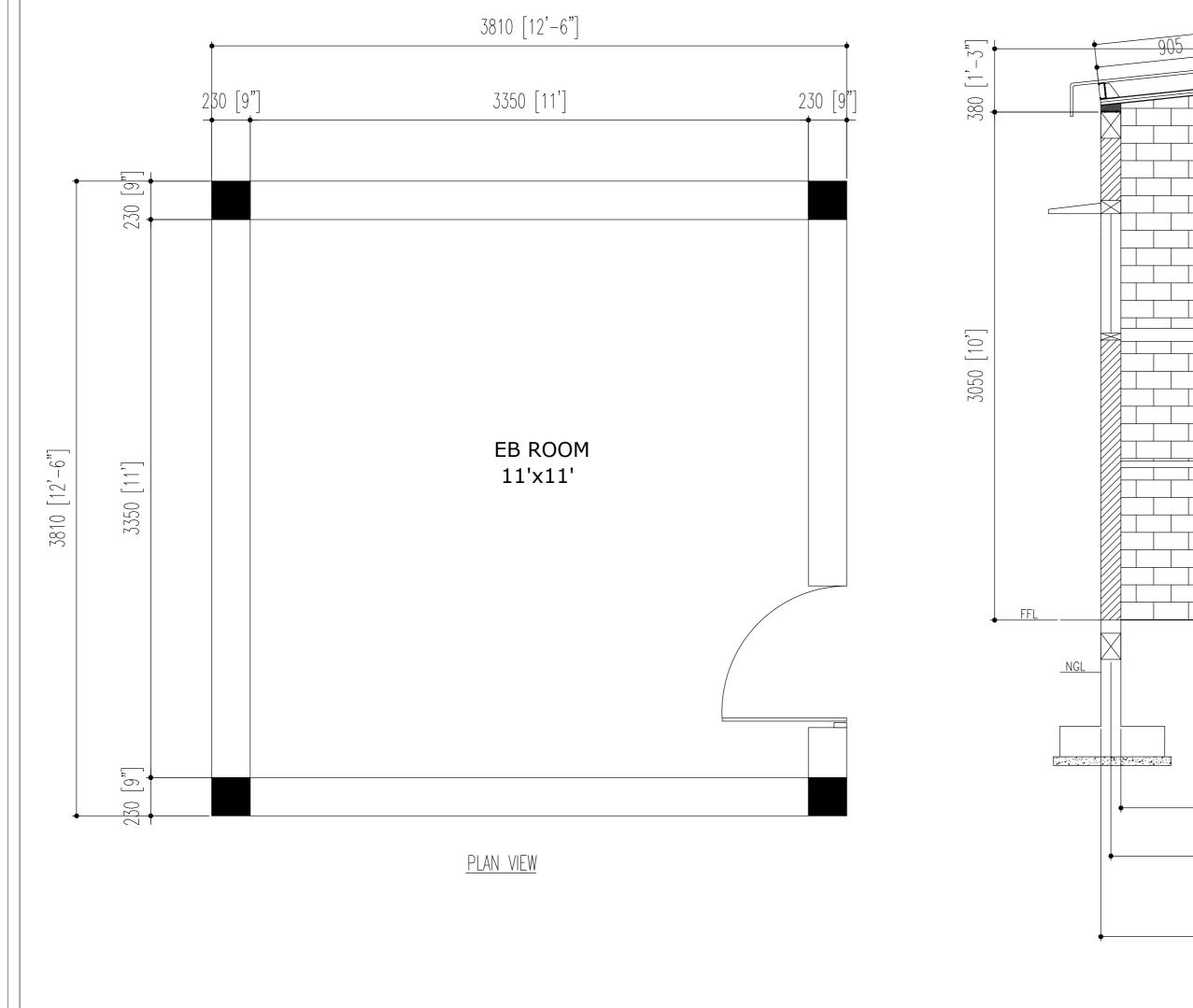
DRAWN YASIN CROSS SECTION DETAILS CHKD. Dr.LSJ 31.12.19 PROPOSED FACTORY BUILDING SIZE - A2 | SCALE - 1:125 | DWG NO : 03

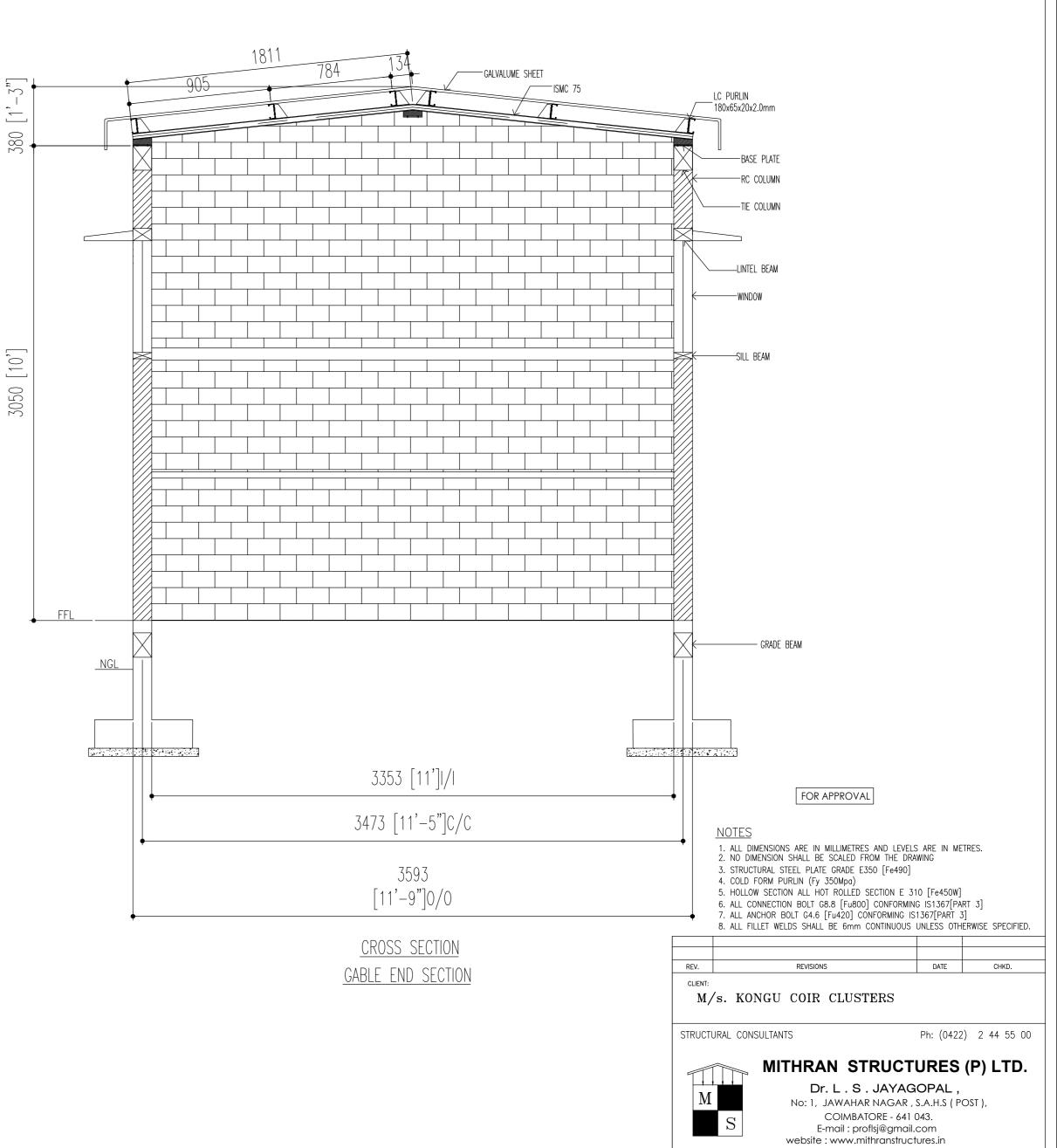
FOR APPROVAL

GABLE END RAFTER CROSS SECTION



EB ROOM DETAILS





DRAWN YASIN

CHKD. Dr.LSJ

SIZE - A2 | SCALE - 1:125

APPD.

DATE

31.12.19

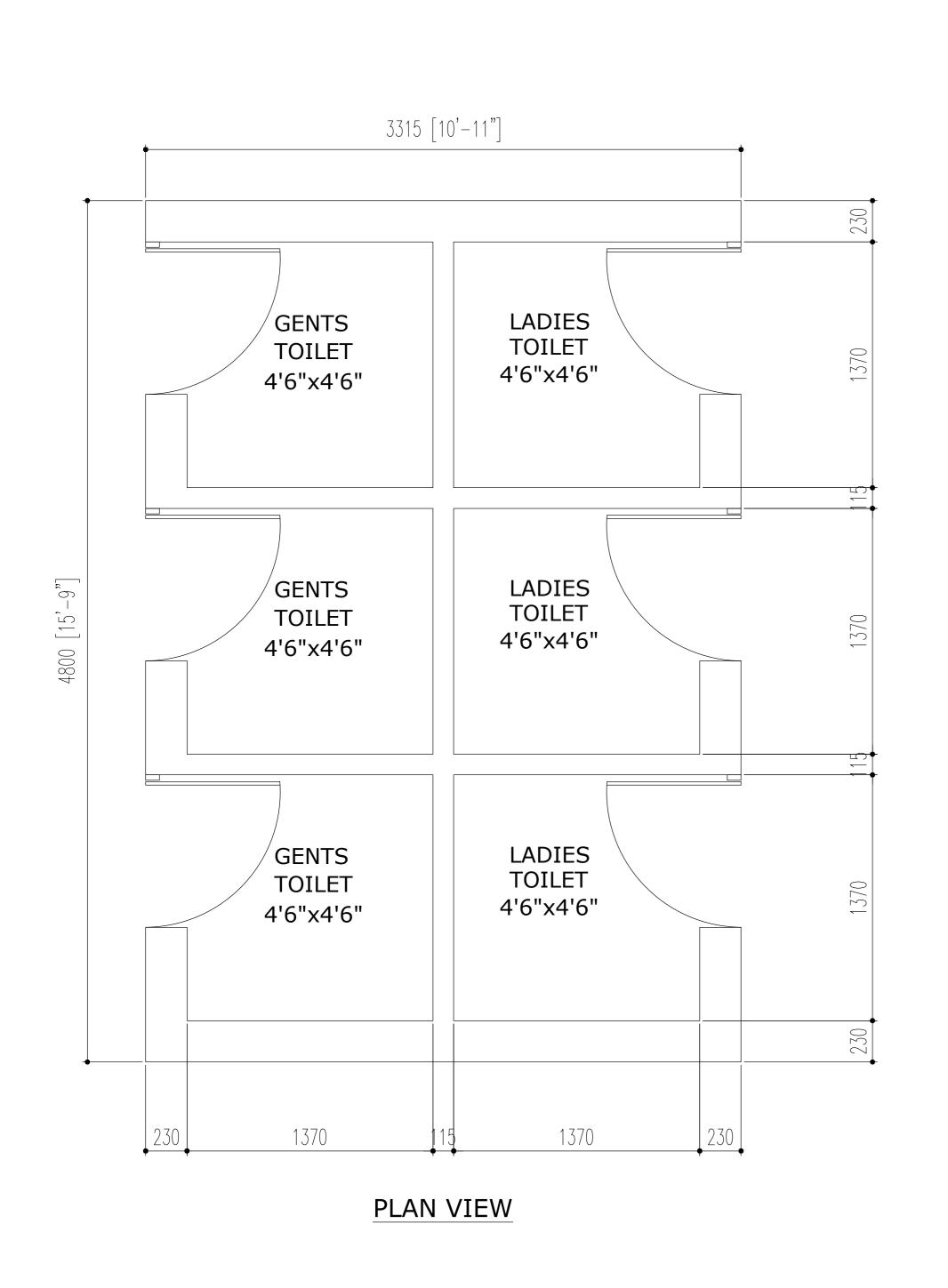
EB-ROOM PLAN & CROSS SECTION

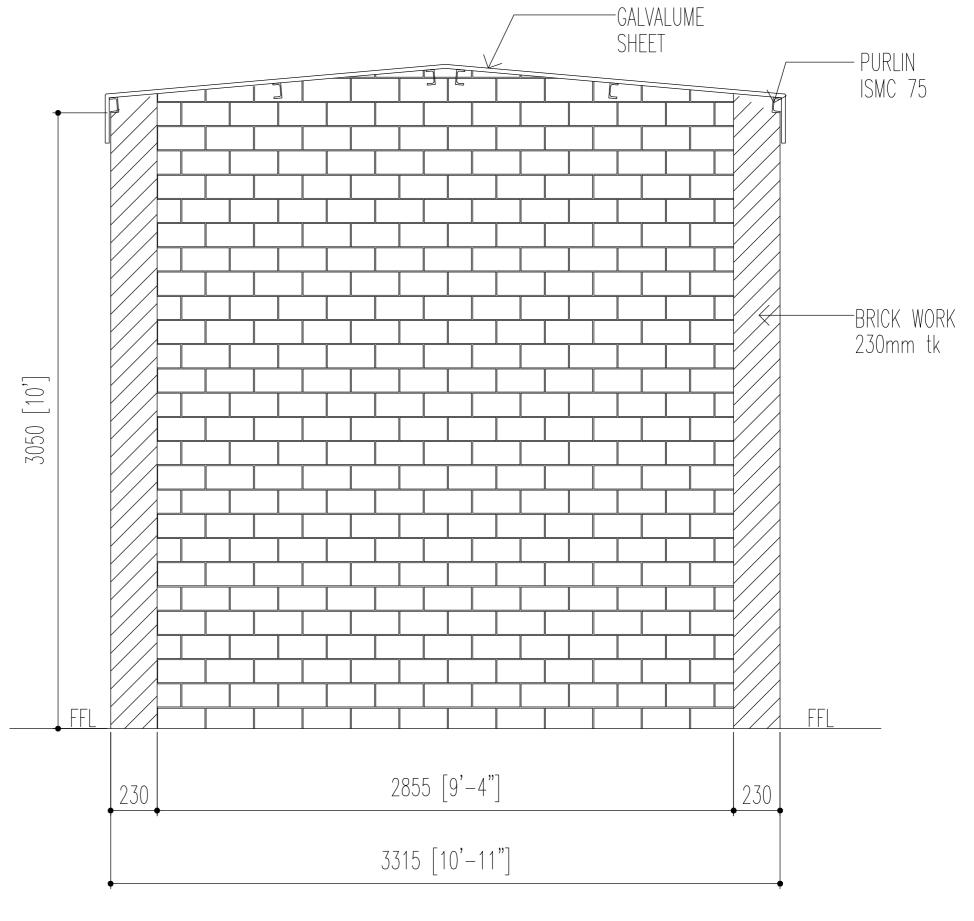
PROPOSED FACTORY BUILDING

SHT.1 OF 1

DWG NO: 06

TOILET BLOCK DRAWINGS





CROSS SECTION (TYPICAL BACK SIDE)

FOR APPROVAL

- 1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
 2. NO DIMENSION SHALL BE SCALED FROM THE DRAWING
- 3. STRUCTURAL STEEL PLATE GRADE E350 [Fe490]
- 4. COLD FORM PURLIN (Fy 350Mpa)
- 5. HOLLOW SECTION ALL HOT ROLLED SECTION E 310 [Fe450W]
 6. ALL CONNECTION BOLT G8.8 [Fu800] CONFORMING IS1367[PART 3]
- 7. ALL ANCHOR BOLT G4.6 [Fu420] CONFORMING IS1367[PART 3] 8. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS UNLESS OTHERWISE SPECIFIED.

DATE REVISIONS CHKD.

M/s. KONGU COIR CLUSTERS

Ph: (0422) 2 44 55 00 STRUCTURAL CONSULTANTS



MITHRAN STRUCTURES (P) LTD.

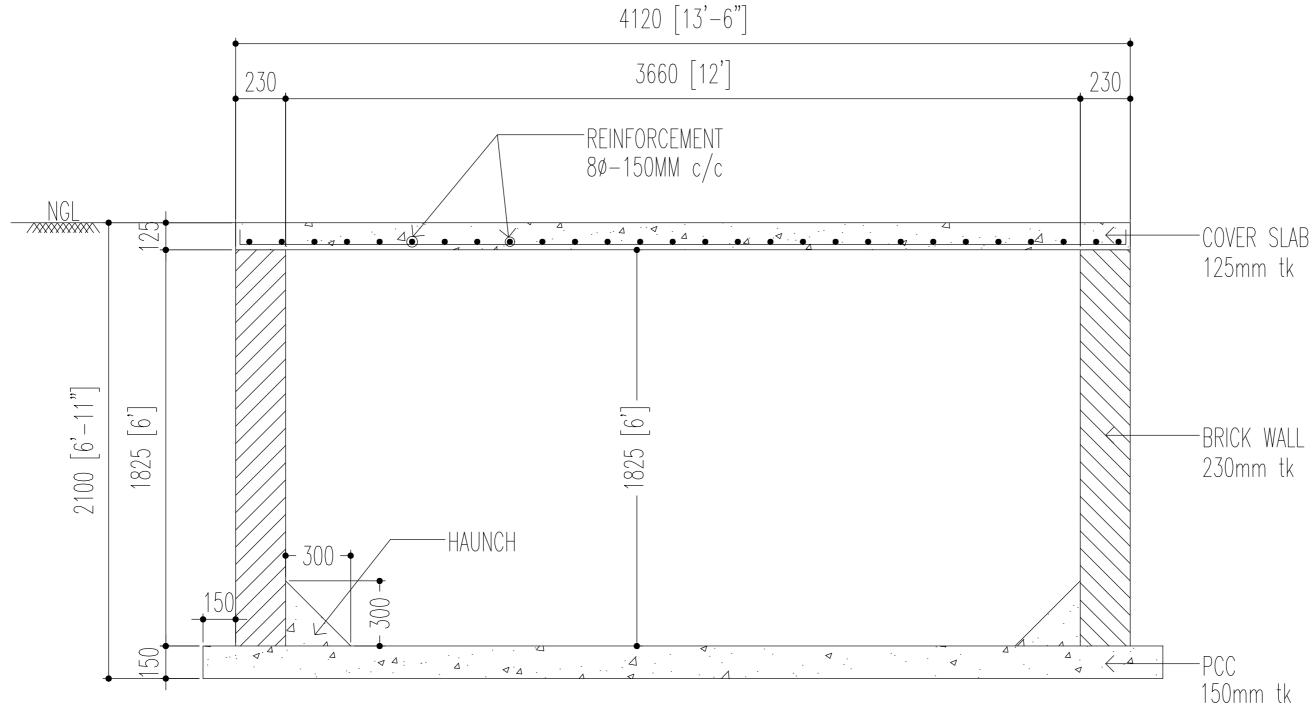
Dr. L . S . JAYAGOPAL , No: 1, JAWAHAR NAGAR, S.A.H.S (POST), COIMBATORE - 641 043. E-mail : proflsj@gmail.com

website: www.mithranstructures.in

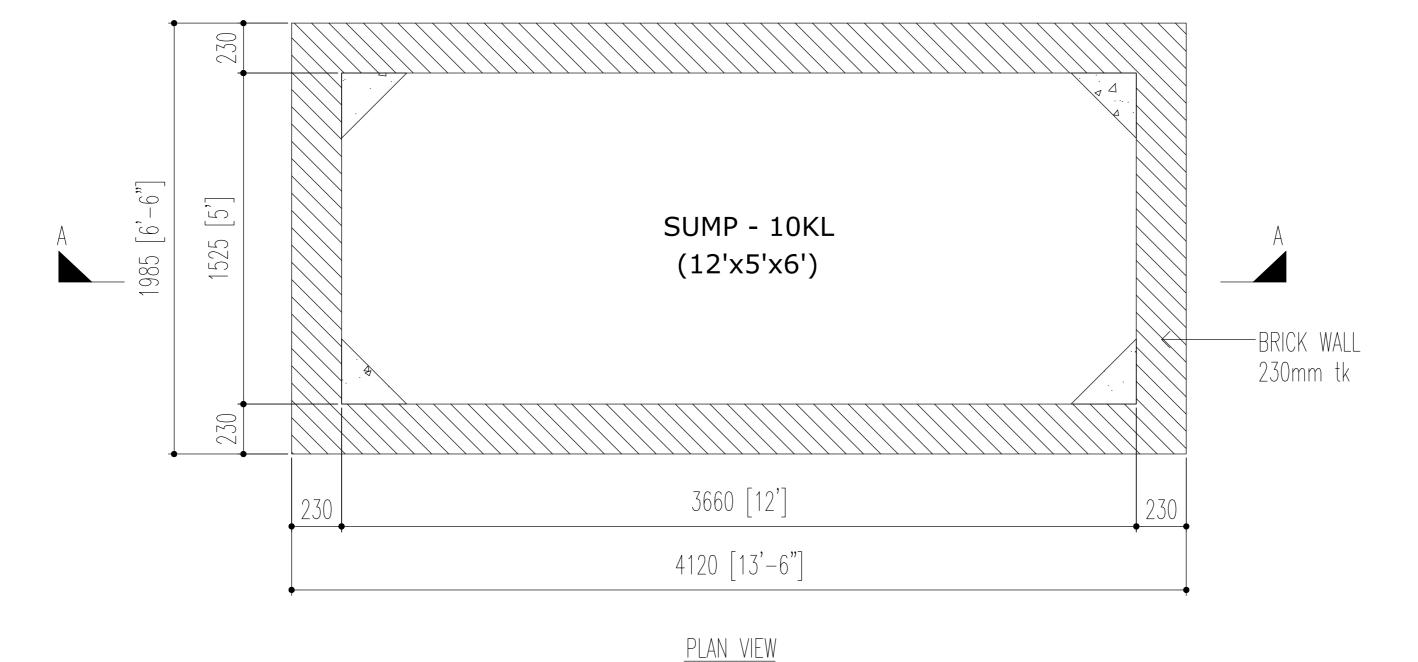
DRAWN	YASIN	DATE	TITLE
CHKD.	Dr.LSJ	31.12.19	TOILET DETAILS
APPD.			PROPOSED FACTORY BUILDING

SIZE - A2 | SCALE - 1:125 | DWG NO : 04 SHT.1 OF 1

SUMP DETAILS



<u>CROSS SECTION - AA</u>



FOR APPROVAL

- 1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
 2. NO DIMENSION SHALL BE SCALED FROM THE DRAWING
 3. STRUCTURAL STEEL PLATE GRADE E350 [Fe490]
 4. COLD FORM PURIN (Fy 350Mpa)
 5. HOLLOW SECTION ALL HOT ROLLED SECTION E 310 [Fe450W]
 6. ALL CONNECTION BOLT G8.8 [Fu800] CONFORMING IS1367[PART 3]
 7. ALL ANCHOR BOLT G4.6 [Fu420] CONFORMING IS1367[PART 3]

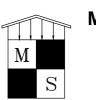
- 7. ALL ANCHOR BOLT G4.6 [Fu420] CONFORMING IS1367[PART 3]
- 8. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS UNLESS OTHERWISE SPECIFIED.

REV.	REVISIONS	DATE	CHKD.
CLIENT:			

M/s. KONGU COIR CLUSTERS

STRUCTURAL CONSULTANTS

Ph: (0422) 2 44 55 00



MITHRAN STRUCTURES (P) LTD.

Dr. L . S . JAYAGOPAL , No: 1, JAWAHAR NAGAR, S.A.H.S (POST), COIMBATORE - 641 043. E-mail : proflsj@gmail.com website: www.mithranstructures.in

DRAWN	YASIN		DATE	TITLE		
CHKD.	Dr.LSJ		31.12.19	SUMP - 10KL	DDIC	
APPD.				PROPOSED FACTORY BUIL	DING	
SIZE -	A2	SCALE	- 1:125	DWG NO : 02	SHT.1 OF 1	

OVER HEAD TANK DETAILS — SINTEX CAP -SINTEX TANK - MEMBER ISA ANGLE - MEMBER ISA ANGLE -SINTEX TANK 2440 [8] 7620 [25'] _DIAGONAL MEMBER ISA ANGLE 2440 [8'] <u>PLAN VIEW</u> OHT SINTEX 2440 [8'] SECTION VIEW OHT SINTEX

FOR APPROVAL

- 1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES.
 2. NO DIMENSION SHALL BE SCALED FROM THE DRAWING
 3. STRUCTURAL STEEL PLATE GRADE E350 [Fe490]
 4. COLD FORM PURLIN (Fy 350Mpa)
 5. HOLLOW SECTION ALL HOT ROLLED SECTION E 310 [Fe450W]
 6. ALL CONNECTION BOLT G8.8 [Fu800] CONFORMING IS1367[PART 3]
 7. ALL ANCHOR BOLT G4.6 [Fu420] CONFORMING IS1367[PART 3]

- 7. ALL ANCHOR BOLT G4.6 [Fu420] CONFORMING IS1367[PART 3] 8. ALL FILLET WELDS SHALL BE 6mm CONTINUOUS UNLESS OTHERWISE SPECIFIED.

REV.	REVISIONS	DATE	CHKD.
1,211	TETISIONS	5,,,,	0111121

M/s. KONGU COIR CLUSTERS

STRUCTURAL CONSULTANTS

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E-mail : proflsj@gmail.com
website : www.mithranstructures.in

DRAWN YASIN DATE TITLE

CHKD.	Dr.LSJ		31.12.19	OHT SINTEX TANK PLAN & S		
APPD.				THE SEED THE TERM DELL		
SIZE -	A2	SCALE	- 1:125	DWG NO : 07	SHT.1 OF 1	

BILL OF QUANTITY FOR INDUSTRIAL WORKSHD BUILDING

Area of Building: 161'6" x 121'6" = 19622.00 Sq.ft

C.M.	Daniel de la Carte I		NT		Me	asureme	ents	04	T T .*4
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling v	vorks							
1.1	Earth work Excavation up to	a dept	th of 2	.0 m in	all types	of soil in	ncluding n	ecessary ma	rkings,
	sides dressing, level and com	pleting	all	ı	Т	,		T	
	For Footings								
	P1F1	1	X	25	1.40	1.20	2.00	84.00	
	P2F2	1	X	10	1.40	1.20	2.00	33.60	
	RR wall Longer	1	X	2	49.25	0.65	0.65	41.62	
	Shorter	1	X	3	37.05	0.65	0.65	46.96	
	Store	1	X	1	15.70	0.65	0.65	6.63	
	•	1	X	1	6.60	0.65	0.65	2.79	
		1	X	2	6.35	0.65	0.65	5.37	
								220.97	m^3
1.2	Refilling the sides of found	dation	with e	excavat	ed availa	ble soil	in founda	tion sides w	ith all
	necessary tools & equipmen	nt, inclu	iding v	waterin	g, compa	ction and	completi		
	E/w Qty							220.97	
	Deduction								
	P1F1	-1	X	25	1.00	0.30	1.65	-12.38	
	P1F1 - A	-1	X	10	0.55	0.30	1.65	-2.72	
	Footing PCC							-21.78	
	RR masonry							-31.89	
	Footing RCC footing &							-14.72	
	Beam								2
								137.48	m^3
1.3	Supplying and filling with						with all	necessary to	ols &
	equipment including wateri		1				0.45	803.74	1
	Main building	1	X	1	48.80	36.60	0.43		3
	36 : 1 :11:	1		1	40.00	26.60	1.10	803.74	m ³
	Main building	1	X	1	48.80	36.60	1.10	1964.69	3
								1964.69	m ³
2.	Providing and laying PCC of								
	aggregates -10 part) the rate laying in line, level, curing a								action,
2.1	Footing	liu com	pieun	g all wi	ui necessa		x equipin		
2.1	P1F1	1	X	25	1.40	1.20	0.10	4.20	
	P2F2	1	X	10	1.40	1.20	0.10	1.68	
	RR wall Longer	1	X	2	49.25	0.65	0.10	6.40	-
	Shorter Shorter	1		3	37.05	0.65	0.10	7.22	
			X						
	Store	1	X	1	15.70	0.65	0.10	1.02	

	1.	1	X	1	6.60	0.65	0.10	0.43	
		1	X	2	6.35	0.65	0.10	0.83	
								21.78	m^3
2.2	In Flooring								
	Main building	1	X	1	48.80	36.60	0.075	133.96	
								133.96	m^3
3.	R.C.C 1:2:4 (cement - 1part of mix with mechanical mix curing and completing all wi	xer mac	chine,	vibrato	r, compac	tion, lay			
3.1	RCC Footing								
	P1F1	1	X	25	1.20	1.00	0.25	7.50	
	P2F2	1	X	10	1.20	1.00	0.25	3.00	
								10.50	m^3
3.2	RCC Pedestal up to FFL								
	P1F1	1	X	25	1.00	0.30	3.15	23.63	
	P2F2	1	X	10	0.55	0.30	3.15	5.20	
								28.83	m^3
3.3	RCC Column Above FFL up to 10'0"								
	Wall columns	1	X	18	1.00	0.30	3.05	16.47	
		1	X	10	0.55	0.30	3.05	5.03	
								21.50	m^3
3.4	RCC Grade Beam								
	Wall Longer	1	X	2	49.25	0.23	0.075	1.70	
	Shorter	1	X	3	37.05	0.23	0.075	1.92	
	Store	1	X	1	15.70	0.23	0.075	0.27	
	•	1	X	1	6.60	0.23	0.075	0.11	
		1	X	2	6.35	0.23	0.075	0.22	
								4.22	m^3
3.5	RCC Plinth Beam								
	Wall Longer	1	X	2	49.25	0.23	0.075	1.70	
	Shorter	1	X	3	37.05	0.23	0.075	1.92	
	Store	1	X	1	15.70	0.23	0.075	0.27	
	•	1	X	1	6.60	0.23	0.075	0.11	
		1	X	2	6.35	0.23	0.075	0.22	
								4.22	m^3
3.6	RCC Lintel & Sunshade								
	Longer	1	X	2	49.25	0.23	0.150	3.40	
	Shorter	1	X	3	37.05	0.23	0.150	3.83	
	Store	1	X	1	15.70	0.23	0.150	0.54	
	•	1	X	1	6.60	0.23	0.150	0.23	
		1	X	2	6.35	0.23	0.150	0.44	
	For W	1	X	18	2.30	0.60	0.10	2.48	

								10.92	m^3
4.	Supplying and Erecting including de-shuttering a specifications and completi	fter curi							
4.1	Footing	liig aii							
	P1F1	1	X	25	4.40		0.25	27.50	
	P2F2	1	X	10	4.40		0.25	11.00	
	1 21 2	1	A	10	7.70		0.23	38.50	m^2
4.2	Pedestal up to FFL								
	P1F1	1	X	25	2.60		3.15	204.75	
	P2F2	1	X	10	1.70		3.15	53.55	
								258.30	m^2
4.3	Column Above FFL up to 10'0"								
	Wall columns	1	X	18	2.60		3.05	142.74	
		1	X	10	1.70		3.05	51.85	
								194.59	m^2
4.4	Grade Beam								
	Wall Longer	2	X	2	49.25		0.075	14.78	
	Shorter	2	X	3	37.05		0.075	16.67	
	Store	2	X	1	15.70		0.075	2.36	
		2	X	1	6.60		0.075	0.99	
		2	X	2	6.35		0.075	1.91	
								36.71	m ²
4.5	Plinth Beam								
	Wall Longer	2	X	2	49.25		0.075	14.78	
	Shorter	2	X	3	37.05		0.075	16.67	
	Store	2	X	1	15.70		0.075	2.36	
		2	X	1	6.60		0.075	0.99	
		2	X	2	6.35		0.075	1.91	
								36.71	m^2
4.6	Lintel & sunshade								
	Longer	2	X	2	49.25		0.150	29.55	
	Shorter	2	X	3	37.05		0.150	33.35	
	Store	2	X	1	15.70		0.150	4.71	
		2	X	1	6.60		0.150	1.98	
		2	X	2	6.35		0.150	3.81	
	W bottom	1	X	18	1.80		0.23	7.45	
	D	1	X	1	2.15		0.23	0.49	
		1	X	1	0.95		0.23	0.22	
	Sunshade	1	X	18	2.50	0.70		31.50	
								113.06	m^2
5.	Supplying & Fabricating	reinfo	rceme	nt for	RCC wo	rk inclu	ding cutti	ng, straigh	tenino

	bending, placing in positio	n and b	oinding	g with	18 gauge	annealed	d binding	wire and cor	mplete
	all as per IS standards.	1	T	1	11.00		Γ	11.00	МТ
	N	1	X	1	11.00			11.00	MT
6.	Masonry Works						21.51		
6.1	Providing and laying RR sto part). The rate includes cos complete all as per IS standa	t of sca							
	Wall Longer	1	X	2	49.25	0.45	0.30	13.30	
	Shorter	1	X	3	37.05	0.45	0.30	15.01	
	Store	1	X	1	15.70	0.45	0.30	2.12	
		1	X	1	6.60	0.45	0.30	0.89	
		1	X	2	6.35	0.45	0.30	1.71	
	D/c P1F1	-1	X	18	0.30	0.45	0.30	-0.73	
		-1	X	10	0.30	0.45	0.30	-0.41	
								31.89	m^3
6.2	Providing and laying brick sand -5 part). The bricks sho masonry joints shall not exceed depth of 10 mm. The rate incand complete all as per IS states.	ould be eed 10 cludes c	appro mm. <i>A</i>	ved go All the	od quality faces of the	of brick he joints	. The mor	tar thickness aked to a min	in the nimum
	Up to FFL								
	Wall Longer	1	X	2	49.25	0.23	1.60	36.25	
	Shorter	1	X	3	37.05	0.23	1.60	40.90	
	Store	1	X	1	15.70	0.23	1.60	5.78	
	•	1	X	1	6.60	0.23	1.60	2.43	
		1	X	2	6.35	0.23	1.60	4.67	
	D/c P1F1	-1	X	18	0.30	0.23	1.60	-1.99	
		-1	X	10	0.30	0.23	1.60	-1.10	
								86.94	m^3
6.3	Above FFL to 10'0" Level								
	Wall Longer	1	X	2	49.25	0.23	3.05	69.10	
	Shorter	1	X	3	37.05	0.23	3.05	77.97	
	Store	1	X	1	15.70	0.23	3.05	11.01	
		1	X	1	6.60	0.23	3.05	4.63	
		1	X	2	6.35	0.23	3.05	8.91	
	Deductions								
	Column	-1	X	18	0.30	0.23	3.05	-3.79	
		-1	Х	10	0.30	0.23	3.05	-2.10	
	W	-1	X	18	1.83	0.23	1.50	-11.36	
	D	-1	X	1	2.15	0.23	2.45	-1.21	
		-1	X	1	0.95	0.23	2.45	-0.54	
	RS 1	-1	Х	1	6.10	0.23	3.05	-4.28	
	RS 2	-1	X	1	3.05	0.23	3.05	-2.14	
	RS 3	-1	X	1	4.60	0.23	3.05	-3.23	

	RS 4	-1	X	1	5.50	0.23	3.05	-3.86	l
								139.11	m^3
7.	Providing and Plastering of part sand -4 part) includes of curing and complete all as p	of fixing	of chi	cken m					
7.1	Inner wall Plastering								
	Long wall	1	X	2	48.80		3.30	322.08	Ì
	Short wall	1	X	4	36.60		3.30	483.12	
	Store	1	X	1	15.70		3.05	47.89	
		1	X	1	6.60		3.05	20.13	
		1	X	4	6.35		3.05	77.47	
	Columns	2	X	18	0.77		3.05	84.55	
	Top	1	X	18	0.77	0.30		4.16	
	Columns	2	X	10	0.32		3.05	19.52	
	Тор	1	X	10	0.32	0.30		0.96	
	Deductions								
	W	-1	X	18	1.83		1.50	-49.41	
	D	-1	X	2	2.15		2.45	-10.54	
		-1	X	2	0.95		2.45	-4.66	
	RS 1	-1	X	1	6.10		3.05	-18.61	
	RS 2	-1	X	1	3.05		3.05	-9.30	
	RS 3	-1	X	2	4.60		3.05	-28.06	
	RS 4	-1	X	1	5.50		3.05	-16.78	
								922.52	m^2
7.2	Outer wall Plastering								
	Long wall	1	X	2	49.25		4.60	453.10	
	Short wall	1	X	2	37.05		4.60	340.86	
	Sunshades	1	X	18	2.50	1.30		58.50	
	Deductions								
	W	-1	X	18	1.83		1.50	-49.41	
	RS 1	-1	X	1	6.10		3.05	-18.61	
	RS 2	-1	X	1	3.05		3.05	-9.30	
	RS 4	-1	X	1	5.50		3.05	-16.78	
								758.36	m^2
7.3	Window edge plastering								
	W	1	X	18	6.70	0.23		27.74	
	D	1	X	1	6.75	0.23		1.55	
		1	X	1	5.25	0.23		1.21	
	RS 1	1	X	2	3.05	0.23		1.40	
	RS 2	1	X	2	3.05	0.23		1.40	
	RS 3	1	X	2	3.05	0.23		1.40	
	RS 4	1	X	2	3.05	0.23		1.40	
								36.10	m^2

	aggregates - 4 part) for 75 vibrator, compaction, lay								
	completing all with necessar					<i>3</i> , 1		,	
	Main building	1	X	1	48.80	36.60	0.075	133.96	
	RS 1	1	X	1	6.10	0.23	0.075	0.11	
	RS 2	1	X	1	3.05	0.23	0.075	0.05	
	RS 3	1	X	1	4.60	0.23	0.075	0.08	
	RS 4	1	X	1	5.50	0.23	0.075	0.09	
								134.29	m ³
9.	Joinery and Allied works								
9.1	Supply and fixing of MS V								
	3,Grill - 12mm Sq polishe	d Rod a	nd Sh	utter - :	5mm tk p	lain glas	s including	g materials,	labou
	fixing and Completing all.	1	T	10	1.05	1	1.50	40.05	I
	W	1	X	18	1.85		1.50	49.95	2
0.0	G 1 1C' CMGD			10	1 25 25	6.61		49.95	$\frac{1}{2}$ m ²
9.2	Supply and fixing of MS D x 3,Shutter MS sheet 19 G								
	D Share No sheet 19 G	1	X		2.15	8, 1abour,	2.45	5.27	3 an.
		1	X	1	0.95		2.45	2.33	
		1	Λ	1	0.73		2.73		m^2
9.3	Supplying & fixing of steedeep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing	ocked to 5x5mm ng pulley	make L ang and (one scr le and Gear bo	een with locking and arrange	Flange T rrangeme ment wi	ype Roll f ents on bot th manual	formed 12G I th sides, fixe chain drive	CRC Bottoned with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120	ocked to 5x5mm ng pulley G 3" Gu	make L ang and (one scr le and Gear bo annel,	een with locking and arrange	Flange T rrangeme ment wi	ype Roll f ents on bot th manual	G (1.00mm) formed 12G I th sides, fixe chain drive	CRC Bottoned with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing	ocked to 5x5mm ng pulley G 3" Gu	make L ang and (one scr le and Gear bo annel,	een with locking and arrange	Flange T rrangeme ment wi	ype Roll f ents on bot th manual	G (1.00mm) formed 12G I th sides, fixe chain drive	CRCA Bottoned with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chroma	ocked to 5x5mm ng pulley G 3" Gu	make L ang and C ide cha	one scr le and Gear bo annel, er.	een with locking and arrange 22G Top	Flange T rrangeme ment wi	type Roll fents on both manual ith fixing of	G (1.00mm) formed 12G I th sides, fixe chain drive cleats and co	CRCA Bottored with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromater RS 1	ocked to 5x5mm ag pulley G 3" Gui te yellow	make L ang and C ide cha prime x	one scr le and Gear bo annel , er.	een with locking and a rrange 22G Top	Flange T rrangeme ment wi	ype Roll fents on both manual ith fixing of 5.500	G (1.00mm) ormed 12G I th sides, fixe chain drive cleats and co	CRCA Bottored with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearinfixed with Roll formed 120 with One coat zinc chroma RS 1	ocked to 5x5mm ag pulley G 3" Gui te yellow	make L ang and C ide cha prime x	one scr le and Gear bo annel, er.	locking are a range 22G Top 6.40 3.35	Flange T rrangeme ment wi	type Roll fents on booth manual ith fixing of 5.500 4.000	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and co	CRCA Bottored with
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromater RS 1 RS 2 RS 3	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1	make L ang and C ide chay prime x x x	one scr le and Gear bo annel , er. 1	een with locking are a rrange 22G Top 6.40 3.35 4.90	Flange T rrangeme ment wi	type Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G I th sides, fixe chain drive cleats and co	CRCA Bottor ed wit lifting mplet
9.3	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromater RS 1 RS 2 RS 3	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1	make L ang and C ide chay prime x x x	one scr le and Gear bo annel , er. 1	een with locking are a rrange 22G Top 6.40 3.35 4.90	Flange T rrangeme ment wi	type Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collected and collected are sides and collected are sides. It is a side of the sides of the sides, fixed chain drive cleats and collected are sides. It is a side of the sides of t	CRCA Bottor ed wit lifting mplet
9.3 10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1 1 1	make L ang and (ide chi y prime x x x x ng for	one scrile and Gear boannel, er.	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange T rrangeme ment wi cover wi	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G I th sides, fixe chain drive cleats and collected and collected are sides and collected are sides and collected are sides and collected are sides	CRCA Bottor ed wit lifting mplet
10.	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1 1 1	make L ang and (ide chi y prime x x x x ng for	one scrile and Gear boannel, er.	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange T rrangeme ment wi cover wi	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G I th sides, fixe chain drive cleats and collected and collected are sides and collected are sides and collected are sides and collected are sides	CRCA Bottor ed wit lifting mplet
10.	deep corrugated lath interloplate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromater RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all.	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1 1 1	make L ang and (ide chay prime x x x x ng for	one scrile and Gear boannel, er.	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange T rrangeme ment wi cover wi	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collected and collected are sides and collected are sides. It is a side of the sides of the sides, fixe chain drive cleats and collected are sides. It is a side of the sides of th	CRCA Bottor ed wit lifting mplet
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 te washin t make in	make L ang and (ide chay prime x x x x ng for ncludi	one scr le and Gear bo annel , er. 1 1 1	een with locking and a arrange 22G Top 6.40 3.35 4.90 5.80	Flange T rrangeme ment wi cover wi	ype Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collects are collected as a collect and collects are collected as a collect and collects are collected as a collected a	CRCA Bottor ed wit lifting mplet m ²
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 12d with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area Supplying & Apply of Two	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 1 co coat of	make L ang and (ide chay prime x x x x ang for includi	one scr le and Gear bo annel, er. 1 1 1 1 internal ng scraj	een with locking are a range 22G Top 6.40 3.35 4.90 5.80 & extern pping, clear one coat	Flange Trangement with cover with all walls than aning, m	ype Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collects and series and collects and series and collects are collected and collects and collects are collected and collects are collected and collected and collected are collected are collected and collected are collected and collected are collected and collected are collected are collected are collected are collected are collected are collected and collected are collected ar	CRCA Bottor ed wit lifting mplet m ²
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 1 co coat of	make L ang and (ide chay prime x x x x ang for includi	one scr le and Gear bo annel , er. 1 1 1 1 internal ng scrap	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange Trangement with cover with all walls than aning, m	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collects and 17.89 31.90 98.39 of BIRLA / bour and 1716.98 or Equivalence all.	CRCA Bottor ed wit lifting mplet m ²
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 12d with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area Supplying & Apply of Two on MS surface including so W	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 te washir tt make in o coat of crapping,	make L ang and (ide chay prime x x x x graph ang for ancluding Ename cleaning x	one scribe and Gear boannel, er. 1 1 1 1 1 enternal and scrap and	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange Trangement with cover with all walls than aning, m	ype Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collects and solution a	CRCA Bottor ed wit lifting mplet m ²
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 120 with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area Supplying & Apply of Two on MS surface including so	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 1 co coat of erapping, 2 2	make L ang and C ide cha prime x x x x x Enam clean x x	one scr le and Gear bo annel , er. 1 1 1 internal ing scrap el over ing, ma 18 1	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange Trangement with cover with all walls than aning, m	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and considerable of 135.20 13.40 17.89 31.90 98.39 of BIRLA / bour and 1716.98 or Equivalent g all. 99.90 10.54	CRCA Bottor ed wit lifting mplet m ²
10. 10.1	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 12d with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area Supplying & Apply of Two on MS surface including so W D	ocked to 5x5mm ag pulley G 3" Gu te yellow 1 1 1 1 1 co coat of crapping, 2 2 2	make L ang and (ide chay prime) x x x x x ng for ncludi Enam cleani x x	one scribe and Gear boannel, er. 1 1 1 1 1 el overing, ma 18 1 1	een with locking are a range 22G Top 6.40 3.35 4.90 5.80 Compared to the state of the state	Flange Trangement with cover with all walls than aning, m	ype Roll fents on both manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and collects and solve	CRCA Bottor ed wit lifting mplet m ²
10.	deep corrugated lath interled plate reinforced with 35x3 6mm Brackets, Ball bearing fixed with Roll formed 12d with One coat zinc chromated RS 1 RS 2 RS 3 RS 4 Painting works Supplying & Apply of white KOTTAYAM or equivalent completing all. Wall Surface Area Supplying & Apply of Two on MS surface including so W	ocked to 5x5mm g pulley G 3" Gu te yellow 1 1 1 1 co coat of erapping, 2 2	make L ang and C ide cha prime x x x x x Enam clean x x	one scr le and Gear bo annel , er. 1 1 1 internal ing scrap	een with locking are a range 22G Top 6.40 3.35 4.90 5.80	Flange Trangement with cover with all walls than aning, m	ype Roll fents on booth manual ith fixing of the fixing of	G (1.00mm) ormed 12G Ith sides, fixe chain drive cleats and considerable of 135.20 13.40 17.89 31.90 98.39 of BIRLA / bour and 1716.98 or Equivalent g all. 99.90 10.54	CRCA Botton ed wit lifting mplet m ²

	RS 4	2	X	1	5.80		5.500	63.80	
								311.87	m ²
11.	Supplying and Fixing of four	ndation	MS b	ed bolt	in Pedesta	al	<u> </u>		
	P1F1	1	X	35	6.00			210.00	
								210.00	Nos
12.	Providing Electrical Arrange	ments	1		ı	I.	L		
13.	Providing Electrification Arr	angeme	ents						
14.	Providing water supply & sar	nitation	Arrar	ngemer	nts				
	Structural Works (Roof &	Cladd	ing)						
1.	Supplying and Fabrication of equivalent including erection and completing all with necessary and provide the supplying and provide the supplying and Fabrica and Structural Provide the supplying the supplying and Structural Pr	n in Li	ne, lev	vel, ali	gnment, fa			Scaffolding,	cranes
	As per Structural Drawing	11.0	<u> </u>					29.00	Mt
2.	Supply and Fabrication of co erection in Line, level, alig with necessary tools & equip	nment,						and complet	ing all
	As per Structural Drawing							9.00	Mt
3.	Supplying & Apply of One ASIAN or Equivalent make completing all. As per Structural Drawing							~ .	
4.	1	lvvo lvumo d	, maafi	na sha	at 0.47mm	TCT. 55	OMD: 150		
4.	Supply and fixing of bare gal galvalume sheets. Erection in completing all with necessary	n Line,	level,	alignm	ent, screw				and
	As per Structural Drawing							1913.00	m^2
5.	Supply and fixing of bare galgalvalume. Erection in Line, completing all with necessary	level, a	ılignm	ent, sci	ews, wash			anes and	
	As per Structural Drawing							52.00	Rmt
6.	Supply and fixing of colour of Colour coated galvalume she Scaffolding, cranes and compass per Structural Drawing	ets. Ere	ection	in Line	e, level, ali	gnment,	screws, wa		m^2
	1	1	1	D - 1	1. 61	1-1			
7.	Supply and fixing of bare 150GSM; JSW Bare galval Scaffolding, cranes and comp	lume sl	heets.	Erection	on in Line	e, level,	alignment	, screws, w	
	As per Structural Drawing							78.00	Rmt
8.	Supply and fixing of bare gal Bare galvalume sheets. Erec and completing all with nece	tion in	Line,	level,	alignment,			Scaffolding,	cranes
	As per Structural Drawing							15.00	Rmt

BILL OF QUANTITY FOR COCOLOG SHED

Area of Building: 17'6" x 12'6" = 218.75 Sq.ft

G N	D 44 CAN I		N T		Me	easurem	ents	04	TT .4
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling v	vorks							_
1.1	Earth work Excavation up to			0 m in	all types	of soil i	ncluding	necessary m	arkings,
	sides dressing, level and con	pleting	all	,	1	_		_	_
	Footing	1	X	4	1.20	1.20	1.20	6.91	
	Walls	1	X	2	3.85	0.60	1.00	4.62	
		1	X	2	3.85	0.60	1.00	4.62	
								16.15	m^3
1.2	Supplying and filling with equipment including waterin						t with all	necessary	tools &
	Coco Log shed	1	X	1	5.35	3.85	0.50	10.30	
								10.30	m^3
2.	Providing and laying PCC c	ement o	concre	te 1:5	:10 (cem	nent - 1p	art M.san	d -5 part and	
	aggregates -10 part) the rate								
	laying in line, level, curing a	nd com	pletin	g all w	ith neces	sary too	ls & equip	oment.	_
2.1	Foundation								
	Footing	1	X	4	1.20	1.20	0.10	0.58	
	Walls	1	X	2	3.85	0.60	0.10	0.46	
		1	X	2	3.85	0.60	0.10	0.46	
								1.50	m ³
2.2	In Flooring								
	Coco	1	X	1	4.90	3.35	0.10	1.64	
								1.64	m ³
3.	R.C.C 1:2:4 (cement - 1par cost of mix with mechanic alignment, curing and compl	cal mix	er ma	achine	, vibrato	r, comp	action, la		
3.1	RCC Footing								
	Footing	1	X	4	1.00	1.00	0.30	1.20	
								1.20	m ³
3.2	RCC Pedestal								
	Pedestal	1	X	4	0.32	0.32	1.40	0.57	
								0.57	\mathbf{m}^3
3.3	RCC Grade Beam								
	Longer	1	X	2	5.35	0.45	0.10	0.48	
	Shorter	1	X	2	3.85	0.45	0.10	0.35	
								0.83	m ³
3.4	RCC Lintel & Sunshade								
	Longer	1	X	2	5.35	0.23	0.15	0.37	

	Shorter	1	X	2	3.85	0.23	0.15	0.27	
								0.64	m ³
4.	Supplying and Erecting shincluding de-shuttering after specifications and completing	er curin							
4.1	Footing	1	X	4	4.00		0.30	4.80	
								4.80	\mathbf{m}^2
4.2	Pedestal	1	X	4	1.28		1.40	7.17	2
								7.17	m ²
4.3	Grade Beam								
	Longer	2	X	2	3.85		0.10	1.54	
	Shorter	2	X	2	3.85		0.10	1.54	
								3.08	m^2
4.4	Lintel & sunshade								
	Longer	2	X	2	5.35		0.15	3.21	
	Shorter	2	X	2	3.85		0.15	2.31	
	D	1	X	1	1.70	0.23		0.39	
								5.91	m^2
	bending, placing in position complete all as per IS stand		d bind	ding v	0.44	gauge	annealed	binding wi	re and
6.	Masonry Works			_				0	1122
6.1	Providing and laying RR s sand -7 part). The rate inc curing and complete all as Longer	ludes c	ost o	f scaff					
	Shorter	1	X	2	3.85	0.60	0.90	4.16	
	Longer	1	X	2	5.35	0.45	0.50	2.41	
	Shorter	1	X	2	3.85	0.45	0.50	1.73	
	Steps	1	X	1	2.00	0.60	0.60	0.72	
								14.80	m^3
6.2	Providing and laying brick part sand -5 part). The brickness in the masonry jour raked to a minimum depth of joints, lead & lift curing	ricks shoints sho of 10 m	nould all no nm. T	be ap t excee he rate	proved ed 10 mr include	good q n. All the s cost o	uality of ne faces of f scaffold	brick. The f the joints s	mortar shall be
	Above FFL to 11'0" Level								
	Longer	1	X	2	5.35	0.23	1.25	3.08	
	Shorter	1	X	2	3.85	0.23	1.25	2.21	
	Deductions								
	D	-1	X	1	1.70	0.23	1.25	-0.49	
								4.80	m ³
7.	Providing and Plastering 1:4.(cement -1 part sand -4								

	cleaning, scaffolding, curin	g anu c	Ompi	cic an	as per in	stanua	ıu.		
7.1	Inner wall Plastering		1		_				
	Longer	1	X	2	4.90		1.50	14.70	
	Shorter	1	X	2	3.35		1.50	10.05	
	Deductions								
	D	-1	X	1	1.70		1.50	-2.55	
								22.20	m ²
7.2	Outer wall Plastering								
	Long wall	1	X	2	5.35		1.85	19.80	
	Short wall	1	X	2	3.85		1.85	14.25	
	Deductions								
	D	-1	X	1	1.70		1.25	-2.13	
								31.92	m ²
7.3	Window edge plastering								
	D	1	X	2	1.25	0.23		0.58	
								0.58	m ²
8.	Flooring								
8.1	Providing and laying grano	l lithic fl	ooring	in C	C 1·2·4	(cemer	t - 1nart	M sand -2 i	nart and
	l and complating all with nace	COOMY to	$\Delta \Delta \Delta R$	0011110					
	and completing all with nece EB D	1 1	X X	1 1	4.90 1.70	3.35 0.23	0.075 0.075	1.23 0.03 1.26	m ³
9.	EB	1	X	1	4.90			0.03	m ³
9. 9.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all.	oor out	x x ter fra	1 1 me - I lain s	4.90 1.70 SA 35 x neet incl	0.23 35 x 6,	0.075 Shutter finaterials,	0.03 1.26 rame -ISA a labour, fix	ingle 25
	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0	1 1 oor out	x x ter fra	1 1 me - I	4.90 1.70 SA 35 x	0.23 35 x 6,	0.075 Shutter fr	0.03 1.26 rame -ISA a labour, fix	angle 25
9.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D	oor out	x x ter fra	1 1 me - I lain s	4.90 1.70 SA 35 x neet incl	0.23 35 x 6,	0.075 Shutter finaterials,	0.03 1.26 rame -ISA a labour, fix	ingle 25
9.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all.	oor out) mm t	x x x er frack) p	me - I lain sl	4.90 1.70 SA 35 x neet incl	0.23 35 x 6, uding rexternal	0.075 Shutter fraterials, 2.15 walls two	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 c coats of Exterials, laboraterials, laboraterials	ingle 25 ing and m ² BIRLA / our and
9.1 10. 10.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whi KOTTAYAM or equivale completing all. Wall surface Area	oor out mm t 1 1 te wash nt mak	x x x er frack) p x x ming f e inc.	me - I lain sl	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 0 coats of Exterials, laboraterials,	ingle 25 ing and m ² BIRLA / our and m ² uivalent
9.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whi KOTTAYAM or equivale completing all. Wall surface Area	oor out mm t 1 1 te wash nt mak	x x x er frack) p x x ming f e inc.	me - I lain sl	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 0 coats of Exterials, laboraterials,	ingle 25 ing and m ² BIRLA / our and m ² uivalent
9.1 10. 10.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whit KOTTAYAM or equivale completing all. Wall surface Area Supplying & Apply of Two make on MS surface include	oor out mm t 1 te wash nt mak coat o	er frak) p	me - I lain sl or inte	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi ver one coning, ma	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	1.26 rame -ISA a labour, fix 3.66 3.66 c coats of Enterials, laboraterials, labo	ingle 25 ing and m ² BIRLA / our and m ² uivalent
9.1 10. 10.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whit KOTTAYAM or equivale completing all. Wall surface Area Supplying & Apply of Two make on MS surface include	oor out mm t 1 te wash nt mak coat o ing scr	er frak) p	me - I lain sl or inte	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi ver one coning, ma	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 0 coats of Exterials, laboraterials, laboraterials, laboraterials and completing 7.31	mr ² BIRLA / our and mr ² uivalenting all.
9.1 10. 10.1	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whi KOTTAYAM or equivale completing all. Wall surface Area Supplying & Apply of Two make on MS surface included	oor out mm t 1 te wash nt mak cocoat o ing scr 1	x x x x x x x x x x x x x x x x x x x	me - I lain sl or inte	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi ver one coning, ma	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 0 coats of Exterials, laboraterials, laboraterials, laboraterials and completing 7.31	mr ² BIRLA / our and mr ² uivalenting all.
9.1 10. 10.1 10.2	EB D Joinery and Allied works Supply and fixing of MS D x 25x 6,Shgutter 19G (1.0 Completing all. D Painting works Supplying & Apply of whi KOTTAYAM or equivale completing all. Wall surface Area Supplying & Apply of Two make on MS surface include D Providing Electrical Arrange	oor out mm t 1 1 te wash nt mak coat o ing scr 1 mements rangeme	x x x x x x x x x x x x x x x x x x x	me - I lain slain	4.90 1.70 SA 35 x neet incl 1.70 ernal & e scrappi ver one c ning, ma 1.70	35 x 6, uding rexternal ng, clear	O.075 Shutter finaterials, 2.15 walls two aning, ma	0.03 1.26 rame -ISA a labour, fix 3.66 3.66 0 coats of Exterials, laboraterials, laboraterials, laboraterials and completing 7.31	mr ² BIRLA / our and mr ² uivalenting all.

1.	Supplying and Fabrication of JSW or equivalent including Scaffolding, cranes and complete.	g erection	ı in İ	Line, lev	el, alig	gnment, f	asteners, w	
	As per Structural Drawing					* *	0.52	MT
2.	Supplying & Apply of One coa	at of anti-	corros	ive prim	er and	one coat	of Ad grey	enamel
	paint ASIAN or Equivalent malabour and completing all.	ake on M	S surf	ace inclu	ding sc	rapping, o	cleaning, ma	iterials,
	As per Structural Drawing						0.52	MT
3.	Supply and Fabrication of col	ld formed	l steel	member	purlin	etc., in	JSW or equ	iivalent
	including erection in Line, le							
	completing all with necessary to	ols & equ	ipmen	t			T	
	As per Structural Drawing						0.17	MT
4.	Supply and fixing of bare galva							
	JSW Bare galvalume sheets.							5,
	Scaffolding, cranes and compl	eting all v	with no	ecessary	toois &	equipme	nt. 26.00	m^2
5.	As per Structural Drawing	luma Dida	- Cha	ot 0 47		550MDa		
3.	Supply and fixing of bare galval galvalume. Erection in Line,		•					
	completing all with necessary to		_		s, wasii	cis, ocarr	olding, clair	ics and
	As per Structural Drawing		F				4.00	RMT
6.	Supply and fixing of colour co	ated Clad	lding s	sheet 0.47	7mm To	CT; 550M	Pa, 150GSM	1; JSW
	Colour coated galvalume she					_	, screws, w	ashers,
	Scaffolding, cranes and complet	ing all wit	h nece	ssary too	ls & equ	uipment.	I	
	As per Structural Drawing						57.00	m^2
7.	Supply and fixing of bare gal							
	150GSM; JSW Bare galvalume					-	nt, screws, w	ashers,
	Scaffolding, cranes and complet As per Structural Drawing	ing an wi	n nece	essary too	is & eqi	uipment.	4.20	RMT
0	1 6	luma I fi	ochin ~	shoot 0.4	 7mm T	CT. 550N	· -	
8.	Supply and fixing of bare galva Bare galvalume sheets. Erection							
	and completing all with necessar				, sciews	, washers,	scarroiding,	crancs
	As per Structural Drawing	15 10015 00	- quip				10.50	RMT
	1		<u> </u>		<u> </u>		1	

BILL OF QUANTITY FOR EB ROOM

Area of Building: 12'6" x 12'6" = 156.25 Sq.ft

C N	D		N T		Me	asureme	ents	O.	T T •4
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling	works			•				•
1.1	Earth work Excavation up to			.0 m iı	n all types	of soil i	ncluding	necessary m	arkings,
	sides dressing, level and con		all			T			
	Column	1	X	4	1.20	1.20	1.20	6.91	
	GB	1	X	2	3.85	0.60	0.65	3.00	
		1	X	2	3.85	0.60	0.65	3.00	,
								12.91	m ³
1.2	Supplying and filling with						with all	necessary	tools &
	equipment including waterin	g, comp	paction				0.70	7.61	
	EB	1	X	1	3.35	3.35	0.50	5.61	3
				L				5.61	m ³
2.	Providing and laying PCC c								
	aggregates -10 part) the rate								paction,
2.1	laying in line, level, curing a Foundation	na com	pieun	g an w	Tur necess	ary tools	s & equipi	ment.	
2.1	Column	1	v	4	1.20	1.20	0.10	0.58	
	GB	1	X	2	3.85		0.10	0.38	
	ОВ		X			0.60			
		1	X	2	3.85	0.60	0.10	0.46	3
	T 73							1.50	m ³
2.2	In Flooring				2.25	2.25	0.10	1.10	
	EB	1	X	1	3.35	3.35	0.10	1.12	3
								1.12	m ³
3.	R.C.C 1:2:4 (cement - 1par							*	
	cost of mix with mechanic							ying in line	e, level,
3.1	alignment, curing and comple RCC Footing	enng ar	ı wıuı	neces	sary toois	& equip	Шеш		
3.1	Footing	1	X	4	1.00	1.00	0.30	1.20	
	Footing	1	Λ	4	1.00	1.00	0.50	1.20	m ³
3.2	RCC Column							1.20	111
3.2		1		4	0.22	0.22	4.50	0.05	
	Column	1	X	4	0.23	0.23	4.50	0.95	3
2.2	DCC C 1 D							0.95	m ³
3.3	RCC Grade Beam	1			2.07	0.22	0.20	0.53	
	GB	1	X	2	3.85	0.23	0.30	0.53	
		1	X	2	3.85	0.23	0.30	0.53	3
								1.06	m ³
3.4	RCC Lintel & Sunshade								
	Longer	1	X	2	3.85	0.23	0.15	0.27	
	Shorter	1	X	2	3.85	0.23	0.15	0.27	

	sunshade	1	X	1	2.30	0.60	0.10	0.14	
								0.68	m^3
4.	Supplying and Erecting sl including de- shuttering aft specifications and completin	er curir							
4.1	Footing								
	Footing	1	X	4	4.00		0.30	4.80	
								4.80	m ²
4.2	Column								
	Column	1	X	4	0.92		4.50	16.56	
								16.56	m^2
4.3	RCC Grade Beam								
	GB	2	X	2	3.85		0.30	4.62	
		2	X	2	3.85		0.30	4.62	
		_						9.24	m^2
4.4	RCC Lintel & Sunshade							7.21	111
	Longer	2	X	2	3.85		0.15	2.31	
	Shorter	2		2	3.85		0.15	2.31	
		1	X	1	2.50	0.70	0.13	1.75	
	sunshade	1	X	1	2.30	0.70			m^2
5.	Supplying & Fabricating				D.C.C.	1	11	6.37	
	bending, placing in positions complete all as per IS stand	ion and							
	complete an as per is stand	arus.	1						
		1	X	1	0.69			0.69	MT
6.	Masonry Works	1							
6. 6.1		work ricks sloints sh	of 23 hould all no nm. T	Omm be apt excent he rate	thick using proved good 10 mm e includes	good qu n. All the s cost of	ality of e faces of	of 1:5 (cerbrick. The	ment -1 mortar shall be
	Masonry Works Providing and laying brick part sand -5 part). The brithickness in the masonry joraked to a minimum depth	work ricks sloints sh	of 23 hould all no nm. T	Omm be apt excent he rate	thick using proved good 10 mm e includes	good qu n. All the s cost of	ality of e faces of	of 1:5 (cerbrick. The	ment -1 mortar shall be
	Masonry Works Providing and laying brick part sand -5 part). The brithickness in the masonry joraked to a minimum depth of joints, lead & lift curing	work ricks sloints sh	of 23 hould all no nm. T	Omm be apt excent he rate	thick using proved good 10 mm e includes	good qu n. All the s cost of	ality of e faces of	of 1:5 (cerbrick. The	ment -1 mortar shall be
	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL	work ricks sloints sh of 10 n and con	of 23 nould all no nm. T	Omm be apt excended he rate	thick using oproved ged 10 mn e includes s per IS st	good quent All the scost of andard.	ality of e faces of scaffoldi	of 1:5 (cerbrick. The the joints and mixing	ment -1 mortar shall be
	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry joraked to a minimum depth of joints, lead & lift curing Up to FFL Longer	work ricks sloints sh of 10 m and con	of 23 hould all no nm. T mpleto	Omm be ap t exce he rate all as	thick using peroved ged 10 mm e includes per IS st	good quent All the scost of andard.	ality of e faces of scaffoldi	of 1:5 (cerbrick. The fthe joints ang, mixing	ment -1 mortar shall be
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter	work ricks sloints sh of 10 m and con	of 23 hould all no nm. T mpleto	Omm be ap t exce he rate all as	thick using peroved ged 10 mm e includes per IS st	good quent All the scost of andard.	ality of e faces of scaffoldi	of 1:5 (cerbrick. The fithe joints ang, mixing) 1.06 0.92	ment -1 mortar shall be , raking
	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level	work ricks sloints sh of 10 m and con	of 23 nould all no nm. Templeto	Omm be apt texce the rate all as	thick using period of the control of	good quan. All the scost of andard. 0.23 0.23	ality of e faces of scaffoldi 0.60 0.60	of 1:5 (cerbrick. The brick. The fithe joints and mixing) 1.06 0.92 1.98	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry jouraked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer	work ricks sloints sh of 10 m and con	of 23 hould all no nm. T mpleto	Omm be apt texce he rate all as	thick using period of the peri	good qu n. All the s cost of andard. 0.23 0.23	ality of e faces of scaffolding 0.60 0.60 3.05	1.06 0.92 1.98	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer Shorter	work ricks sloints sh of 10 m and con	of 23 nould all no nm. T mpleto	Omm be ap t exce he rate all as 2 2 2	thick using period of the control of	good quan. All the scost of andard. 0.23 0.23 0.23	0.60 0.60 3.05 3.05	1.06 0.92 1.98	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer Shorter Gable wall	work ricks sloints sh of 10 m and con	of 23 hould all no nm. T mpleto	Omm be apt texce he rate all as	thick using period of the peri	good qu n. All the s cost of andard. 0.23 0.23	ality of e faces of scaffolding 0.60 0.60 3.05	1.06 0.92 1.98	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer Shorter Gable wall Deductions	work ricks sloints sh of 10 m and con	of 23 nould all no nm. T mpleto x x x x	Omm be ap t exce he rate all as 2 2 2 2	thick using period of the second seco	good quan. All the scost of andard. 0.23 0.23 0.23 0.23	0.60 0.60 3.05 3.05 0.20	1.06 0.92 1.98 5.40 4.70 0.31	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer Shorter Gable wall Deductions D	work ricks sloints sh of 10 m and con	of 23 hould all no nm. T mpleto	Omm be ap t exce he rate a all as 2 2 2 2 1	thick using period of the peri	good quan. All the scost of andard. 0.23 0.23 0.23 0.23 0.23	0.60 0.60 0.20 2.15	1.06 0.92 1.98 5.40 4.70 0.31	ment -1 mortar shall be , raking
6.1	Masonry Works Providing and laying brick part sand -5 part). The brickness in the masonry journaked to a minimum depth of joints, lead & lift curing Up to FFL Longer Shorter Above FFL to 11'0" Level Longer Shorter Gable wall Deductions	work ricks sloints sh of 10 m and con	of 23 nould all no nm. T mpleto x x x x	Omm be ap t exce he rate all as 2 2 2 2	thick using period of the second seco	good quan. All the scost of andard. 0.23 0.23 0.23 0.23	0.60 0.60 3.05 3.05 0.20	1.06 0.92 1.98 5.40 4.70 0.31	ment -1 mortar shall be , raking

	cleaning, scaffolding, curin	g and c	omple	ete all	as per IS	standar	d.			
7.1	Inner wall Plastering									
	Longer	1	X	2	3.35		3.05	20.44		
	Shorter	1	X	2	3.35		3.05	20.44		
	Gable wall	1	X	2	3.35		0.20	1.34		
	Deductions									
	D	-1	X	1	0.85		2.15	-1.83		
	W	-1	Х	1	1.85		1.50	-2.78		
								37.61	m ²	
7.2	Outer wall Plastering									
	Long wall	1	X	2	3.85		3.70	28.49		
	Short wall	1	X	2	3.85		3.70	28.49		
	Gable wall	1	X	2	3.35		0.20	1.34		
	Deductions									
	D	-1	Х	1	0.85		2.15	-1.83		
	W	-1	Х	1	1.85		1.50	-2.78		
								53.71	m^2	
7.3	Window edge plastering									
	D	1	X	1	5.15	0.23		1.18		
	w`	1	X	1	6.70	0.23		1.54		
								2.72	m ²	
8.	Flooring									
8.1	Providing and laying granolithic flooring in C.C.1:2:4 (cement - 1part M.sand -2 part and 20mm aggregates - 4 part) for 75mm tk the rate includes cost of mix with mechanical mixed machine, vibrator, compaction, laying in line, level, dewatering, power trowel finish, curing and completing all with necessary tools & equipment									
	EB	1	X	1	3.35	3.35	0.075	0.84		
	D	1	X	1	0.85	0.23	0.075	0.01	3	
								0.85	m ³	
9.	Joinery and Allied works			<u> </u>	TG 1 0.5	25.6	G1 C		1 27	
9.1	Supply and fixing of MS Windows Outer frame - ISA 35 x 35 x 6,Shutter frame - T angle 25 x 3,Grill - 12mm Sq polished Rod and Shutter - 5mm tk plain glass including materials, labour, fixing and Completing all.									
	W	1	X	1	1.85		1.50	2.78		
								2.78	m ²	
9.2	Supply and fixing of MS Door outer frame - ISA 35 x 35 x 6, Shutter frame -ISA angle 25 x 25x 6, Shgutter 19G (1.0 mm tk) plain sheet including materials, labour, fixing and Completing all.									
	D	1	X	1	0.85		2.15	1.83		
								1.83	m ²	
10.	Painting works									
10.1	Supplying & Apply of whit KOTTAYAM or equivale completing all.									

	Wall surface Area							40.33	
								40.33	m^2
10.2	Supplying & Apply of Two make on MS surface include								
	W	1	X	2	1.85		1.50	5.55	
	D	1	X	2	0.85		2.15	3.66	
								9.21	m ²
11.	Providing Electrical Arrange	ments							
12.	Providing Electrification Arr	angeme	ents						
13.	Providing water supply & sar	nitation	Arrar	ngeme	nts				
	Structural Works (Roof &	& Clad	lding)						
1.	Supplying and Fabrication				-				
	JSW or equivalent include								elding,
	Scaffolding, cranes and con	npletin	g all v	vith ne	cessary to	ools & e	equipmen) (T)
	As per Structural Drawing							127.00	MT
2.	Supplying & Apply of One paint ASIAN or Equivalent				-			~ .	
	labour and completing all	ı make	OII IVI	.S Sull	ace men	unig sci	rapping, c	Healing, ma	ierrais,
	As per Structural Drawing							127.00	MT
3.	Supply and Fabrication of co	ld form	ned ste	el mer	nber purli	n etc., ir	SW or	equivalent in	cluding
	erection in Line, level, align		fasten	ers, w	elding, So	caffoldin	g, cranes	and comple	ting all
	with necessary tools & equip	ment	1			1	T		
	As per Structural Drawing							127.00	MT
4.	Supply and fixing of bare g			_					
	JSW Bare galvalume shee					_			,
	Scaffolding, cranes and cor As per Structural Drawing	прієпі	ig an v	WIUI II	ecessary t	0018 &	equipinen	19.00	m^2
5.	Supply and fixing of bare ga	lvalum	e Ride	re She	et 0.47mr	n TCT·	550MPa		
] 3.	galvalume. Erection in Lin								
	completing all with necessary					, , , , , ,	is, seam	5141115, 5 1411	- und
	As per Structural Drawing		1					4.00	RMT

BILL OF QUANTITY FOR TOILET

CN	D 44 CAN I		N T		Mea	asureme	ents	04	I In:i4
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling v	vorks							
1.1	Earth work Excavation up to	a dept	h of 2.	.0 m ir	all types	of soil i	ncluding	necessary n	narkings,
	sides dressing, level and com	pleting	all						
	Walls	1	X	2	4.80	0.60	1.00	5.76	
		1	X	2	3.35	0.60	1.00	4.02	
								9.78	m ³
1.2	Supplying and filling with G	ravel / 1	nurrui	m soil	in baseme	ent with a	all necessa	ary tools &	•
	equipment including waterin	g, comp	paction	n and c		1			
	Toilet	1	X	1	4.35	2.90	0.50	6.31	
								6.31	m ³
2.	Providing and laying PCC of								
	aggregates -10 part) the rate								paction,
	laying in line, level, curing a	nd com	pleting	g all w	ith necess	ary tools	& equip	nent.	1
2.1	Foundation								
	Walls	1	X	2	4.80	0.60	0.10	0.58	
		1	X	2	3.35	0.60	0.10	0.40	
								0.98	m^3
2.2	In Flooring								
	Toilet	1	X	1	4.35	2.90	0.10	1.26	
								1.26	m ³
3.	R.C.C 1:2:4 (cement - 1par cost of mix with mechani alignment, curing and compl RCC Grade Beam	cal mix	ker m	achine	, vibrator	, compa	action, la		
5.1		1		2	4.90	0.45	0.10	0.42	
	Longer	1	X	2	4.80	0.45	0.10	0.43	
	Shorter	1	X	2	3.35	0.45	0.10	0.30	3
	Dageti de de de							0.73	m°
3.2	RCC Lintel & Sunshade								
	Longer	1	X	2	4.80	0.23	0.15	0.33	
		1 1							
	Shorter	1	X	2	3.35	0.23	0.15	0.23	
	Snorter	1	X	2 2	3.35 3.35	0.23	0.15	0.23	
	Snorter								m ³
4.	Supplying and Erecting slincluding de-shuttering aft specifications and completin	1 nutterin	g, ne	2 cessary	3.35 y support	0.12	0.15	0.12 0.68 all RCC	surfaces
4.1	Supplying and Erecting slincluding de-shuttering aft specifications and completin Grade Beam	1 nutterin er curir g all	g, nea	2 cessary iod, E	3.35 y support	0.12	0.15 ding for evel align	0.12 0.68 all RCC ment with	surfaces
	Supplying and Erecting slincluding de-shuttering aft specifications and completin Grade Beam Longer	nutterin er curir g all	g, ne	2 cessary	3.35 y support rection in 4.80	0.12	0.15 ding for evel align 0.10	0.12 0.68 all RCC ment with	surfaces
	Supplying and Erecting slincluding de-shuttering aft specifications and completin Grade Beam	1 nutterin er curir g all	g, nea	2 cessary iod, E	3.35 y support	0.12	0.15 ding for evel align	0.12 0.68 all RCC ment with 1.92 1.34	surfaces standard
	Supplying and Erecting slincluding de-shuttering aft specifications and completin Grade Beam Longer	nutterin er curir g all	g, neng per	2 cessary	3.35 y support rection in 4.80	0.12	0.15 ding for evel align 0.10	0.12 0.68 all RCC ment with	surfaces

	Longer	2	X	2	4.80		0.15	2.88	
	Shorter	2	X	2	3.35		0.15	2.01	
		2	X	2	3.35		0.15	2.01	
	D	1	X	3	1.00	0.23		0.69	
	Sunshade	1	X	3	0.90	0.23		0.62	
								8.21	m ²
5.	Supplying & Fabricating bending, placing in posit complete all as per IS stand	ion and		ding	with 18			binding w	ire and
		1	X	1	0.22			0.22	MT
6.	Masonry Works								
6.1	Providing and laying RR s sand -7 part). The rate incuring and complete all as p	cludes of per IS s	cost o	f scaf	folding, r	nixing,	raking of	joints, lead	-
	Longer	1	X	2	4.80	0.60	0.90	5.18	
	Shorter	1	X	2	3.35	0.60	0.90	3.62	
	Longer	1	X	2	4.80	0.45	0.50	2.16	
	Shorter	1	X	2	3.35	0.45	0.50	1.51	
	Steps	1	X	6	1.20	0.60	0.60	2.59	,
								15.06	\mathbf{m}^3
	part sand -5 part). The bit thickness in the masonry journaked to a minimum depth	oints sh	all no	t exce	ed 10 mn	n. All th	e faces o	f the joints	shall be
		oints sh of 10 r and co	all no nm. T	t exce he rat e all as	ed 10 mn e includes s per IS st	n. All the cost of andard.	e faces of scaffold	f the joints ing, mixing	shall be
	thickness in the masonry jo raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer	oints sh of 10 r and con	all no nm. T	t exce the rate all as	ed 10 mm e includes s per IS st 4.80	n. All the cost of andard.	e faces of scaffold 3.05	f the joints ing, mixing 6.73	shall be
	thickness in the masonry joraked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level	oints sh of 10 r and co	all no nm. T mplet	t exce he rat e all as	ed 10 mn e includes s per IS st	n. All the cost of andard.	e faces of scaffold	f the joints ing, mixing	shall be
	thickness in the masonry jo raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer	oints sh of 10 r and con	all no mm. T mplete	t exce the rate all as	ed 10 mm e includes s per IS st 4.80	n. All the cost of andard.	e faces of scaffold 3.05	f the joints ing, mixing 6.73	shall be
	thickness in the masonry joraked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter	oints sh of 10 r and cor	all no nm. T mpleto x	t exce the rate all as	ed 10 mm e includes s per IS st 4.80 2.86	n. All the scost of andard. 0.23 0.23	3.05 3.05	f the joints ing, mixing 6.73 4.01	shall be
	thickness in the masonry joraked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall	oints sh of 10 r and cor	all no nm. T mpleto x	t exce the rate all as	ed 10 mm e includes s per IS st 4.80 2.86	n. All the scost of andard. 0.23 0.23	3.05 3.05	f the joints ing, mixing 6.73 4.01	shall be
	thickness in the masonry joraked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions	oints sh of 10 r and con	all no mm. T mpleto x x	t exce The rate all as	4.80 2.86	n. All the scost of andard. 0.23 0.23 0.23	3.05 3.05 0.20	6.73 4.01 0.26	shall be
	thickness in the masonry joraked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions V	oints sh of 10 r and con	all no nm. T mpleto x x x	t exce The rate all as 2 2 2	4.80 2.86 0.90	0.23 0.23 0.23	3.05 3.05 0.20	6.73 4.01 0.26	shall be
6.3	thickness in the masonry jour raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions V D Providing and laying brick (cement -1 part sand -4 part mortar thickness in the mashall be raked to a minimum raking of joints, lead & lift	oints shoof 10 rand con 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	all no nm. Tmpleto x x x x x x x x tion ve brice oints a of 10	t exce The rate all as 2 2 2 2 6 6 6 work of ks shall in mm.	ed 10 mm e includes per IS st 4.80 2.86 2.86 0.90 0.85 of 115mm ould be a not exceed The rate	n. All the scost of andard. 0.23 0.23 0.23 0.23 0.23 0.23 0.10 0.23 0.23	3.05 3.05 0.20 0.60 2.15 using cer good queen. All the secost of second	6.73 4.01 0.26 -0.75 -2.52 7.73 ment mortantality of brid faces of the	m ³ c of 1:4 ck. The
6.3	thickness in the masonry jour raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions V D Providing and laying brick (cement -1 part sand -4 part mortar thickness in the mashall be raked to a minimum raking of joints, lead & lift Partition brick wall	oints shoof 10 rand con 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	all no nm. Tmpleto x x x x x x x x tion ve brice oints a of 10	t exce The rate all as 2 2 2 2 6 6 6 work of ks shall in mm.	4.80 2.86 2.86 0.90 0.85 of 115mm ould be approximate all as p	n. All the scost of andard. 0.23 0.23 0.23 0.23 0.23 0.23 0.10 0.23 0.23	3.05 3.05 0.20 0.60 2.15 using cer good quere. All the scost of sendard.	6.73 4.01 0.26 -0.75 -2.52 7.73 ment mortantality of brid faces of the caffolding,	m ³ c of 1:4 ck. The
6.3	thickness in the masonry jour raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions V D Providing and laying brick (cement -1 part sand -4 part mortar thickness in the mashall be raked to a minimum raking of joints, lead & lift	oints sh of 10 r and con line in the second line in	x x x x x x x x x x x x x x x x x x x	t exce The rate all as 2 2 2 6 6 6 work of ks shot shall in the sh	ed 10 mm e includes per IS st 4.80 2.86 2.86 0.90 0.85 of 115mm ould be a not exceed The rate	n. All the scost of andard. 0.23 0.23 0.23 0.23 0.23 0.23 0.10 0.23 0.23	3.05 3.05 0.20 0.60 2.15 using cer good queen. All the secost of second	6.73 4.01 0.26 -0.75 -2.52 7.73 ment mortantality of brid faces of the caffolding,	m ³ c of 1:4 ck. The le joints mixing,
6.3 7.	thickness in the masonry jour raked to a minimum depth of joints, lead & lift curing Above FFL to 11'0" Level Longer Shorter Gable wall Deductions V D Providing and laying brick (cement -1 part sand -4 part mortar thickness in the mashall be raked to a minimum raking of joints, lead & lift Partition brick wall	oints shoof 10 rand con and co	x x x x x x x x x x x x x x x x x x x	t exce the rate all as 2 2 2 2 6 6 6 work of shall romm. omple 2	4.80 2.86 2.86 0.90 0.85 of 115mm ould be a port exceed the rate all as per second wall ixing of contractions.	n. All these cost of andard. 0.23 0.23 0.23 0.23 0.23 o.23 o.10 o.23 3.05 3.05 0.20 0.60 2.15 using cer good quere good quer	6.73 4.01 0.26 -0.75 -2.52 7.73 ment mortan ality of brid faces of the caffolding, 17.45 17.45 ng cement	m ³ c of 1:4 ck. The de joints mixing, m ² mortar	

	Longer	1	X	2	4.35		3.05	26.54	
	Shorter	1	X	6	2.86		3.05	52.34	
	Gable wall	1	X	6	2.86		0.20	3.43	
	Deductions								
	V	-1	X	6	0.90		0.60	-3.24	
	D	-1	X	6	0.85		2.15	-10.97	
								68.10	m ²
7.2	Outer wall Plastering								
	Long wall	1	X	2	4.80		3.70	35.52	
	Short wall	1	X	2	3.35		3.70	24.79	
	Gable wall	1	X	2	3.35		0.20	1.34	
	Deductions								
	V	-1	X	6	0.90		0.60	-3.24	
	D	-1	X	6	0.85		2.15	-10.97	
								47.44	m ²
7.3	Window edge plastering								
	V	1	X	6	3.00	0.23		4.14	
	D	1	X	6	5.15	0.23		7.11	
								11.25	m ²
8.	Floor & Wall Tiles								
8.1	Providing and laying anti sl rate includes cost of mix, la Basic cost Rs.45/-							M.sand -4 p	part)The
	Toilet	1	X	6	1.40	1.40		11.76	
	D	1	X	6	0.85	0.23		1.17	
								12.93	m ²
8.2	Providing and laying wall I includes cost of mix, laying Basic cost Rs.50/-			_			_	and -4 part)	The rate
	Toilet	1	X	6	7.60	0.15		50.04	
	101100	_			5.60	1 2 15 1		12.24	
	Door sides	2.			5.60	2.15		72.24 5.93	
	Door sides	2	X	6	0.23	2.15		5.93	
	Door sides D	2 -1						5.93 -10.97	m ²
9	D		X	6	0.23	2.15		5.93	m ²
9. 9.1	Joinery and Allied works Supply and fixing of MS V 25 x 3,Grill - 12mm Sq pol	-1 Vindow ished F	x x vs Out	6 6 er frai	0.23 0.85 me - ISA	2.15 2.15 35 x 35		5.93 -10.97 67.20 tter frame -	T angle
	D Joinery and Allied works Supply and fixing of MS V	-1 Vindow ished F	x x ys Out Rod ar	6 6 er frai	0.23 0.85 me - ISA atter - 5m	2.15 2.15 35 x 35 m tk pla		5.93 -10.97 67.20 ter frame - ncluding m	T angle
	Joinery and Allied works Supply and fixing of MS V 25 x 3,Grill - 12mm Sq pol labour, fixing and Complet	-1 Vindow ished F	x x vs Out	6 6 er frai	0.23 0.85 me - ISA	2.15 2.15 35 x 35		5.93 -10.97 67.20 ter frame - ncluding m	T angle aterials,
	Joinery and Allied works Supply and fixing of MS V 25 x 3,Grill - 12mm Sq pol labour, fixing and Complet	-1 Vindow ished Fing all.	x x x s Out Rod ar x	6 6 er fram 6 Shu	0.23 0.85 me - ISA atter - 5m 0.90	2.15 2.15 35 x 35 m tk pla 0.60 35 x 6,	in glass i	5.93 -10.97 67.20 ter frame - ncluding m 3.24 3.24 rame -ISA a	T angle aterials, m ² ungle 25
9.1	Joinery and Allied works Supply and fixing of MS V 25 x 3,Grill - 12mm Sq pol labour, fixing and Complet V Supply and fixing of MS D x 25x 6,Shgutter 19G (1.6)	-1 Vindow ished Fing all.	x x x s Out Rod ar x	6 6 er fram 6 Shu	0.23 0.85 me - ISA atter - 5m 0.90	2.15 2.15 35 x 35 m tk pla 0.60 35 x 6,	in glass i	5.93 -10.97 67.20 ter frame - ncluding m 3.24 3.24 rame -ISA a	T angle aterials, m ² ungle 25

10.	Painting works								
10.1	Supplying & Apply of whit KOTTAYAM or equivale completing all.								
	Wall surface Area							59.59	
								59.59	m ²
10.2	Supplying & Apply of Two make on MS surface include								
	V	6	X	2	0.90		0.60	6.48	
	D	6	X	2	0.85		2.15	21.93	
								28.41	m ²
11.	Providing Electrical Arrange	ments							
12.	Providing Electrification Arr	angem	ents						
13.	Providing water supply & sa	nitation	Arrar	ngeme	nts				
	Structural Works (Roof & Cladding)								
1.	Supplying and Fabrication JSW or equivalent include Scaffolding, cranes and cor	ding e	rection	n in	Line, lev	el, aliş	gnment, f	fasteners, w	
	As per Structural Drawing							0.26	MT
2.	Supplying & Apply of One paint ASIAN or Equivalen labour and completing all.				-			cleaning, ma	aterials,
	As per Structural Drawing							0.26	MT
3.	Supply and fixing of bare g JSW Bare galvalume shee Scaffolding, cranes and cor	ets. Ere	ection	in Li	ne, level,	alignn	nent, scre	ws, washers	
	As per Structural Drawing							20.00	m ²
4.	Supply and fixing of bare gagalvalume. Erection in Lincompleting all with necessary	ne, lev	el, ali	gnmei	nt, screws			folding, crar	
	As per Structural Drawing		1	1				5.00	

BILL OF QUANTITY FOR SUMP

Area of Building: 12'0" x 5'0" x 6'0" = 10,000 Litres

G N	T		N.T.		Mea	suremei	nts	0.4	T T •/
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling v	vorks				•		•	
1.1	Earth work Excavation up	to a	depth	of 2.	0 m in all	types	of soil in	ncluding nec	essary
	markings, sides dressing, lev	el and	d comp	oleting	all				
	Sump	1	X	1	4.45	2.30	2.10	21.49	
								21.49	m^3
1.2	Re - Filling with available s watering, compaction and co				vith all nec	essary to	ools & ec	quipment inc	luding
	Sump	1	X	1	13.50	0.15	2.10	4.25	
_								4.25	m^3
2.	Providing and laying PCC coaggregates -10 part) the compaction, laying in line, le	rate i	includ	es cos	st of mix	with m	echanica	ıl mixer ma	achine,
	Foundation				4 4 7	2.20	0.10	1.02	
=	Sump	1	X	1	4.45	2.30	0.10	1.02	2
								1.02	m^3
3.	R.C.C 1:2:4 (cement - 1par cost of mix with mechanic alignment, curing and complement RCC Slab	al mi	ixer n	nachin	e, vibrator,	compa	ction, lay		
	Slab	1	X	1	4.15	1.90	0.15	1.18	
_								1.18	m^3
4.	Supplying and Erecting shincluding de-shuttering after specifications and completing Slab	er cur							
_	Slab	1	X	1	3.70	1.55		5.74	
_	Sides	1	X	1	12.10		0.15	1.82	
_								7.56	m ²
5.	Supplying & Fabricating r bending, placing in positi complete all as per IS stand	on a						ing, straight	ening,
6		TV 0 ml	c of 2'	20mm	thiole main	g gamar	t mostos	of 1.5 (22	ont 1
6.	Providing and laying brick part sand -5 part). The brithickness in the masonry jobe raked to a minimum de	icks soints apth o	should shall 1 f 10 r	l be a not ex nm. T	approved g ceed 10 m	ood qua m. All t	ality of the faces ost of sc	brick. The i	mortar s shall
		curin	g and	comp	lete all as p	er IS sta	ındard.		
	raking of joints, lead & lift Longer	curin _.	g and x	compl	lete all as p	er IS sta 0.23	1.85	3.51	

								4.83	m^3
7.	Providing and Plastering	of i	interna	al/exte	ernal wall	plaster	ing usin	g cement	mortar
	1:4.(cement -1 part sand -4)				_			CC & brick	joints
	cleaning, scaffolding, curin	g and	comp	olete a	ll as per IS	standard	d.		
7.1	Inner Plastering								
	Ceiling	1	X	1	3.66	1.50		5.49	
	Top plastering	1	X	1	2.00	4.12		8.24	
	Sides	1	X	1	12.24		0.30	3.67	
								17.40	m^2
7.2	Inner Plastering (smooth fin	ish w	ith cen	nent sl	lurry)				
	Floor	1	X	1	3.66	1.50		5.49	
	Side walls	1	X	1	10.32		1.85	19.09	
								24.58	m^2
8.	Supply and fixing of cast-iro	n 2 x	2 Man	hole c	cover				
	Man hole	1	X	1				1.00	
								1.00	Nos
9.	Providing Electrical Arrange	ments	<u></u>						
10.	Providing Electrification Arr	anger	nents						
11.	Providing water supply Arra	ngem	ents						

BILL OF QUANTITY FOR OHT TANK

O NI.	Daniel d'anné Mari		NT		Me	asureme	ents	04	TT . •4
S.No	Description of Work		Nos.		L	В	D/H	Qty	Unit
1.	Earth work and Soil Filling	works							
1.1	Earth work Excavation up to	a dept	h of 2.	0 m in	all types	of soil ir	ncluding n	ecessary	
	markings, sides dressing, lev	el and	compl	eting a					
	Footing	1	X	4	1.40	1.40	1.20	9.41	
								9.41	m^3
1.2	Filling in foundation with a including watering, compact					ith all no	ecessary t	tools & equ	ipment
	Footing	1	X	4	1.40	1.40	0.90	7.06	
								7.06	m ³
2.	Providing and laying PCC c aggregates -10 part) the rate laying in line, level, curing a Foundation Footing	include	s cost	of mix	with med	chanical	mixer ma	chine, comp	
								0.78	m^3
3.1	R.C.C 1:2:4 (cement - 1par cost of mix with mechanic alignment, curing and complement RCC Footing	cal mix	er ma	achine,	vibrator,	compa	ction, lay		
	Footing	1	Х	4	1.20	1.20	0.30	1.73	
								1.73	m^3
3.2	RCC Pedestal								
	Pedestal	1	X	4	0.45	0.45	1.40	1.13	
								1.13	m^3
4.	Supplying and Erecting shincluding de-shuttering after specifications and completing	er curing all		iod, E	rection in		vel alignn	nent with st	
4.1	Footing	1	X	4	4.80		0.30	5.76	1
								5.76	m ²
4.2	Pedestal	1	X	4	1.80		1.40	10.08	1
								10.08	m ²
5.	Supplying & Fabricating bending, placing in posi complete all as per IS star	tion an dards.					_		_
6.	Providing Electrical Arrange								
7.	Providing Electrification Arr								
8.	Providing water supply & sa	nitation	Arrai	ngemei	nts				
	Structural Works								
1.	Supplying and Fabrication JSW or equivalent include				-				

	Scaffolding, cranes and cor	npletin	g all v	vith ne	ecessary to	ools & e	equipmen	ts	
	As per Structural Drawing							1.40	MT
2.	Supplying & Apply of One paint ASIAN or Equivalent labour and completing all.								
	As per Structural Drawing							1.40	MT

PART-I

1 AK1-1	
	Date:
From,	
Name:	
Address:	
Ph:	
Fax:	
E-mail:	
То,	
The Chairman,	
M/s.Imaigal Trust,	
No.145, 2 nd Floor, Sathy Road, Opposite to Bus Stand,	
Near Park Palace Hotel,	
Erode- 638003	
Sir,	
Sub: Tender for the construction of Industrial V	Work shed buildings and amenities

With reference to your tender notice, we submit herewith our sealed Tender for the construction of Industrial Work shed buildings and amenities for Kongu Coir Cluster,

for Kongu Coir Cluster, Erode - Submission of Part I - Reg

We enclose the following documents:

Ref: Your Tender Notice Dt.

Erode, as specified by IA in this tender document.

- 1) Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions
- 2) Demand Draft no. ______for Rs.1,50,000 /- (Rupees One lakh Fifty thousand only), in favour of "HI Account Erode Kongu Coir Cluster", Drawn on ______ Bank payable at Erode, towards Earnest Money Deposit.
- 3) Authorization letter from the Company for the person to sign the tender.
- 4) Details of the Tenderer (as per Annexure-III)
- 5) Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-IV).
- 6) List of Building construction works executed in last 3 years as per Annexure-V
- 7) Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI).
- 8) Declaration for not having tampered the Tender documents downloaded from the websites **www.coirboard.gov.in** or **www.itcot.com** (Annexure-VII).
- 9) The copy of certificate of incorporation/registration (If applicable)

- 10) Copy of Memorandum and Articles of Association (If applicable)
- 11) Copy of Registered Partnership deed, in case of Partnership Firm (If applicable)
- 12) Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card
- 13) Valid Registration Certificate from PWD as Class I Contractor or from Highways department
- 14) Work Orders issued by the clients.
- 15) Performance certificate issued by the clients.
- 16) The Annual Report / certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years FY 2016-17, 2017-18 and 2018-19.
- 17) Latest I.T return.
- 18) Notarized translated English version of the documents in a language other than English/Tamil, if any.

Yours faithfully,

SIGNATURE OF THE TENDERER

Encl: As stated above

ANNEXURE - III

DETAILS OF THE TENDERER

1. Name of the Tenderer	
2. Registered Office Address	
	Telephone Number:
	Fax:
	Email:
	Website, if any
3. Contact Person	Name:
	Designation:
	Phone:
	Mobile:
	Email:
4. Date of Incorporation	
5. Legal Status	Proprietorship/partnership/Pvt. Limited/Public Limited/
	others(Pl. mention)
6. Eligible license holder of	
7. Brief profile of the	
tenderer	
8. Number of staffs on	Technical:
regular payroll	Administration:
9. PAN Number	
10. GST Registration Number	
11. PAN Number	

ANNUAL TURN OVER STATEMENT

The Annual turnover of M/s for the past three years are given below and certified that the statement is true and correct.

S.no	Year	Turnover (Rs. in lakh)
1	2016-2017	
2	2017-2018	
3	2018-2019	
	Total	
Average	annual turnover	

DATE:

SIGNATURE OF THE TENDERER

SIGNATURE OF CHARTERED ACCOUNTANT (with seal and Address)

List of clients for whom Civil construction works undertaken in the past 3 years

(Please provide the details for each project in separate sheet along with work Order/completion certificate from client)

S.No	Name & Address of the Client	Details of Work	Extent/Area covered in Sq.ft	Year of Completion	Cost (Rs.in Lakhs)	Work Order & Completion certificate enclosed (Yes/No)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

CERTIFICATE

CERTIFICATE	Date:
Certified that M/s/ share holders had not been blacklisted by any Government	* * *
SI	GNATURE OF THE TENDERER (with seal and address)

DECLARATION FORM

Date:
a) I/We having our
office at do declare that I/We have carefully read all the conditions of tender
sent to me/us by the M/s.Imaigal Trust, for the tenders floated vide tender
ref.no for the construction of Industrial Work shed buildings
and amenities for Kongu Coir Cluster, Erode and will complete the contract as per the tender conditions.
b) I/We have downloaded the tender document from the internet site
www.coirboard.gov.in or www.itcot.com and I /We have not tampered / modified the tender
document in any manner. In case, if the same is found to be tampered / modified, I/ We understand that my/our tender will be summarily rejected and full Earnest Money Deposi will be forfeited and I /We am/are liable to be banned from doing business with M/s.Imaiga Trust or prosecuted.

PART-II

From,

Name:

Address:

Ph:

Fax:

E-mail:

To.

The Chairman,

M/s.Imaigal Trust (IA)

No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand,

Near Park Palace Hotel,

Erode- 638003

Sir,

Sub: Tender for the construction of Industrial Work shed buildings and amenities for Kongu Coir Cluster, Erode - Submission of Part II - Price Offer-Reg.

Ref:- Our tender (Technical Bid) submitted for the "construction of Industrial Work shed buildings and amenities for Kongu Coir Cluster, Erode"

In continuation of our above tender, we submit herewith the price offer for the "Industrial Work shed buildings and amenities for Kongu Coir Cluster, Erode" as specified by IA in this tender document.

We agree to abide by the terms and conditions stipulated by the IA and also agree to complete the entire contract, at the rates quoted by us. The rate quoted and approved by the IA in this tender will hold good as per IA tender conditions.

Yours faithfully,

SIGNATURE OF THE TENDERER

PRICE BID

(Amount in Rs.)

Description	Basic Amount	SGST	CGST	IGST	Total Price including taxes
Construction of Industrial work					8
shed building for the common					
facility centre of Kongu Coir					
Cluster as per drawing and BoQ					
given in Annexure I					
Construction of Cocolog shed					
building for the common facility					
centre of Kongu Coir Cluster as per					
drawing and BoQ given in					
Annexure I					
Construction of EB room for the					
common facility centre of Kongu					
Coir Cluster as per drawing and					
BoQ given in Annexure I					
Construction of Toilet for the					
common facility centre of Kongu					
Coir Cluster as per drawing and					
BoQ given in Annexure I					
Construction of Sump for the					
common facility centre of Kongu					
Coir Cluster as per drawing and					
BoQ given in Annexure I					
Construction of OHT Tank for the					
common facility centre of Kongu					
Coir Cluster as per drawing and					
BoQ given in Annexure I					
Grand Total					

Amount in Words: Rupees	onl	Ŋ
1		-

Note:

- a) The Bidder shall quote the Lump sum costs in the above given format.
- b) The lump sum offer shall provide for all superintendence, labour, technical assistance, material, plant, equipment and all other things required for executing and completing all the works as per defined Scope of Work.

CHECKLIST OF DOCUMENTS

Documents to be enclosed in Part-I:

S.No	Checklist	Enclosed (Yes/No)	Reference in the Bid (Page No.)
1.	A covering letter on your letter head addressed to the Chairman, M/s.Imaigal Trust, No.145, 2nd Floor, Sathy Road, Opposite to Bus Stand,		
	Near Park Palace Hotel, Erode-		
	638003 (as per Annexure-II)		
2.	Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions		
3.	Demand Draft for Rs.1,50,000/- (Rupees One lakh Fifty thousand only), in favour of "HI Account Erode Kongu Coir Cluster", payable at Erode, towards Earnest Money Deposit.		
4.	Authorization letter from the Company for the person to sign the tender		
5.	Details of the Tenderer (as per		
	Annexure-III)		
6.	Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-IV)		
7.	List of Building construction works executed in last 3 years as per (Annexure-V)		
8.	Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI)		
9.	Declaration for not having tampered the Tender documents downloaded from the websites www.coirboard.nic.in or www.itcot.com (Annexure-VII).		
10.	The copy of certificate of incorporation/registration.		
11.	Copy of Memorandum and Articles of Association		
12.	Copy of Registered Partnership deed, in case of Partnership Firm		
13.	Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card		
	-		

S.No	Checklist	Enclosed (Yes/No)	Reference in the Bid (Page No.)
14.	Valid Registration Certificate from		
	PWD as Class I Contractor or from		
	Highways department		
15.	Work Orders issued by the clients		
16.	Performance certificate issued by the		
	clients		
17.	The Annual Report / certified copies of		
	Balance Sheet, Profit & Loss statement		
	along with schedules for the last 3		
	consecutive financial years FY 2016-		
	17, 2017-18 and 2018-19.		
18.	Latest I.T return		
19.	Notarized translated English version of		
	the documents in a language other than		
	English/Tamil, if any		

Documents to be enclosed in Part-II

S.No	Checklist	Enclosed (Yes/No)
1.	A covering letter on your letter head	
	addressed to the Chairman, M/s.Imaigal	
	Trust, No.145, 2nd Floor, Sathy Road,	
	Opposite to Bus Stand, Near Park Palace	
	Hotel, Erode- 638003 (as per Annexure-	
	VIII)	
2.	Price Bid as per Annexure- IX of the	
	Tender document.	

Both 'Part I – Technical bid' cover and 'Part II – Price bid' cover must be placed in a separate sealed cover superscripted as "Tender for the construction of Work shed buildings and amenities for Kongu Coir Cluster, Erode" and addressed to "M/s.Imaigal Trust, C/o. Regional Office Coir Board, No.41, Nehru Street, Mahalingapuram, Near Roundana, Beside Water Tank, Pollachi – 642002, Tamilnadu", containing the name and address of the Tenderer.

Note: Tenders submitted in unsealed cover would summarily be rejected.