

# MAA RAMACHANDI FOUNDATION

Mantra Manor, Plot No-144, Gothapatana, Bhubaneswar

E-mail: mrfoundation18@gmail.com, Contact Number : -7537902705

Website: www.mrfoundation.org.in

## NOTICE INVITING TENDER

**Tender Document No. 02**

**Dated: 14.05.2021**

**Tender: MAA RAMACHANDI FOUNDATION (MRF)**, Gothapatana, Bhubaneswar- 751003 invites tender in sealed covers under two bid system i.e. **Technical Bid & Financial Bid** from registered civil engineers/ contractors (A class) for construction of **Common Facility Centre (CFC) for Pallivikasha Trust (SPV)** at K M Bhaliasahi, Mouza-Mahendragada, R Udayagiri, District-Gajapati (under the SFURTI scheme of Ministry of MSME, Govt. of India).

Date of Commencement of Tender	Last Date & Time of submission of Tender	Date & Time of opening of Tender	Cost of Tender Document
14-05-2021	27-05-2021 by 2.00 pm	27-05-2021 at 3.00 pm	Rs 10,000/-

A complete set of bid documents pertaining to each tender containing the details of the terms and conditions may be downloaded from the website <https://mrfoundation.org.in> OR <http://devnext.org.in> OR <http://www.imedf.in> and the same can be submitted along with the cost of tender document in form of Demand Draft. Any corrigendum / addendum/information related to this Notice Inviting Tender (hereinafter referred to as "NIT") will only be uploaded in the website <https://mrfoundation.org.in> and shall not be published in any newspaper. **MAA RAMACHANDI FOUNDATION (MRF)** reserves the right to accept/reject any part or all the bids without assigning any reason thereof. The Chairman cum Trustee, **MAA RAMACHANDI FOUNDATION (MRF)** has right to increase/decrease/cancel the quantity/area/specification of construction without

assigning any reason and any such action shall not be called for question in any Court of Law.

**Chairman Cum Trustee  
MAA RAMACHANDI FOUNDATION**

TENDER NOTICE DATED: 14-05-2021

Tender Doc. No: 02

Construction of Common Facility Centre (CFC)  
at K M Bhaliasahi, Mahendragada,  
R Udayagiri, District-Gajapati

Sealed tenders are invited from **registered civil engineers/ contractors (A Class)** (having minimum three years' experience in construction) for construction of Common Facility Centre consisting of Common Processing Shed, Raw Material Godown, Finished product Godown and Office as per the approved plan and layout, in favour of **MAA RAMACHANDI FOUNDATION**, Gothapatana, Bhubaneswar – 751003. **MAA RAMACHANDI FOUNDATION (MRF)** reserves the right to make amendments/ changes in the plan and specifications if required.

Tender should be submitted in separate envelopes for Technical Bid and Financial Bid along with earnest money of Rs. 1,76,000/- (Rupees One Lakh Seventy Six Thousand only) in the form of DD in favour of **MAA RAMACHANDI FOUNDATION** drawn on any Scheduled Commercial Bank payable at Bhubaneswar.

Last date of the Tender Submission is **27-05-2021** till **02.00 pm** and the Tender shall be opened on **27-05-2021** at **03.00 PM** at H.O of **MAA RAMACHANDI FOUNDATION, Bhubaneswar**. On evaluation of the Technical tender, the financial bid of the successful Bidders shall be opened.

The lowest price bidder shall be considered for the work execution.

Tender form can be downloaded from the website <https://mrfoundation.org.in/> <http://devnext.org.in/> <http://www.imedf.in> from **14-05-2021** onwards. The details of works and Terms and Conditions are available in the Tender Form. The Technical Bid and Financial Bid dully filled by the contractor with earnest money of Rs. 1,76,000/- (Rupees

One Lakh Seventy Six Thousand only) and the tender document fee of Rs 10,000/- (Rupees Ten Thousand only) in the form of DD shall be deposited; otherwise tender will not be accepted.

The Working Committee of the project (**Chheligada Maize Cluster**) reserves the right to cancel any or all the Tenders without assigning any reason.

**Date:**

**Chairman Cum Trustee**

**Place:** Bhubaneswar

**MAA RAMACHANDI FOUNDATION**

## Tender Form -1

### TENDER FORM - Common Facility Centre

(Establishment of Common Processing Shed, Raw Material Godown, Finished Product Godown and Office at K M Bhaliasahi, Mahendragada, R Udayagiri District-Gajapati)

#### Terms and Conditions:

1. The minimum turnover of the tenderer firm for the last year (2020-21) should be Rs. 1,00,00,000/- (Rupees One Crore only)
2. The tenderer firm should have minimum three years' experience in construction activity within the State of Odisha as per the Govt. of India norms.
3. Tender form can be downloaded from website <https://mrfoundation.org.in/> <http://devnext.org.in/> <http://www.imedf.in> from **14-05-2021** onwards. **Annexure 1-** Detailed estimate for proposed **Chheligada Maize Cluster**, **Annexure 2-** Abstract of Cost, and **Annexure 3-** Layout Plan.
4. Tender should be submitted in separate envelopes for Technical Bid and Financial Bid along with earnest money of Rs. 1,76,000/- (Rupees One Lakh Seventy Six Thousand only) and can be deposited at the below mentioned address up to **2.00 PM on 27-05-2021**. The Demand Draft of earnest money should be in the name of "**MAA RAMACHANDI FOUNDATION**" drawn on any scheduled commercial bank payable at Bhubaneswar. Tenders received will be opened before the Working Committee of the proposed Common Facility Centre on **27-05-2021 at 3.00 pm** at the office of the Maa Ramachandi Foundation.

The tender will be submitted in sealed envelopes separately for Technical Bid and Financial Bid. On each envelop "**Tender for construction of Common Facility Centre at K M Bhaliasahi, Mahendragarh, Gajapati for Pallivikasha Trust (SPV)**" should be written on the top of the envelope.

**Technical Bid and Financial Bid should also be clearly mentioned on the envelopes.**

5. The Technical Bid will be opened and considered first. The Financial Bid of only eligible firms/agencies will be opened after evaluation of the technical bid.
6. **Tenders received without earnest money and the tender document fee will not be accepted and shall be disqualified.**
7. **The earnest money deposit of the unsuccessful bidders shall be returned within a period of 30 days after final selection process is over without any interest or charges thereon.**
8. The tenderer firm should submit implementation plan of constructing the below mentioned works of the common processing centre and the details of the firm. Incomplete tender will not be accepted.
9. **The tenderer firm should submit the tender for the whole works. Tender for part of works will not be accepted.**
10. The tenderer firm shall adhere to strict timelines in compliance with SFURTI instructions/ guidelines, Ministry of MSME, Govt. of India. The tendering firm shall adhere to the following timelines:

<b>Days</b>	<b>Percentage of work to be completed</b>
1 <sup>st</sup> 30 days	Minimum 20% of total contract value
2 <sup>nd</sup> 30 days	Minimum 50% of total contract value
3 <sup>rd</sup> 30 days	Minimum 70% of total contract value
4 <sup>th</sup> 30 days	100% of total contract value
<b>Maximum time permissible for construction is 120 days.</b>	

11. PERFORMANCE SECURITY: (a) On receipt of the Letter of Acceptance from IA, the successful tenderer should remit a Security Deposit (SD) of **3% 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 “**MAA RAMACHANDI FOUNDATION**”, payable at Bhubaneswar, within 7 (Seven) 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.

12. **The upper limit of cost of the work is Rs. 88,00,000/- (Rupees Eighty Eight Lakhs only) (including GST). Therefore, the quoted price of the tenderer should not exceed the upper limit.**

13. Technical Bid/ Financial Bid cannot be withdrawn after opening it. Earnest money can be forfeited in case of withdrawal of bid or not completing the work.

14. If the work is not found as per specifications or unsatisfactory the payment of whole or equivalent amount can be withheld.

15. The party has to enter into an agreement with **MAA RAMACHANDI FOUNDATION** on the Stamp Paper of Rs. 100/- (Rupees Hundred only) on prescribed Performa.

16. T.D.S. and other taxes will be deducted as per norms from the payments.

17. The Working Committee has reserved the right to accept the bid partially/in full or may reject any or all the bids without assigning any reason.

18. **The maximum time frame given for completion of construction is 120 days. The detailed work plans given as form No: 4, below.**

19. **Materials to be used**

a) All materials shall be best of their kind and shall conform to the latest Indian Standards.

- b) All materials shall be of approved quality as per samples and approved by the concerned authority.
- i. **Cement:** Shall comply with the latest specifications confirming to IS: 8112 for 43 grade OPC and IS 12269 for 53 grade cement.
  - ii. **Reinforcement:** High Yield Strength deformed bars conforming to IS 1786 – 1990 Fe 500 (Thermo mechanically treated bars) and Mild Steel conforming to IS 432(Part-1).
  - iii. **Coarse Aggregate:** Shall be of the best quality, hard machine crushed stone free from earth or any organic matter etc. Suitably graded and shall conform to IS: 383-1990.
  - iv. **Sand:** Shall be river sand clean, sharp, strong, angular and composed of hard siliceous materials. It shall be free from any harmful materials such as iron pyrites, coal mica, shale, clay alkali, soft fragments, sea shale, organic impurities, etc. It shall be obtained from approved quarries and shall conform to IS:383-1990.
  - v. **Fly ash Bricks:** Bureau of **Indian Standards** have issued code IS:12894-2002 for **ash bricks**. Use of **fly ash bricks** has been incorporated in CPWD specifications. Minimum **fly ash** content for **Fly Ash bricks** and blocks to qualify as "**fly ash based products**" shall be 50% of total input material.
  - vi. **Timber:** Shall be of best quality, perfectly dry, well-seasoned and free from sap wood, sound straight, free from loose knots, cracks shakes and any appearance of root and any other defect and conforming to IS: 12896 – 1990. No wood work shall be placed in position covered in the wall unless it is approved by the Architect.
  - vii. **Hardware Fittings for Doors:** All the doors shall be provided with MS powder coated hinges, aldrops, tower bolts, locks etc. or as specified in schedule of quantities. The external doors shall be provided with Godrej make locks.



- viii. **Admixtures:** Admixtures if used shall comply with IS 9103. Admixtures to concrete shall not be used without the written consent of the Architect. When permitted, the contractor shall furnish full details from the manufacturer and shall carry such test as the Architect may require before any admixture is used in the work to check particularly for Chlorides.
- ix. **Admixture** may be used to modify one or more of the following properties of FRESH CONCRETE.
- a) To increase workability without increasing water content or to decrease the water content at the same workability.
  - b) To retard or accelerate both initial and final setting times.
  - c) To reduce or prevent settlement.
  - d) To increase slight expansion in concrete and mortar.
  - e) To modify the rate or capacity for bleeding or both.
  - f) To reduce segregation of concrete, mortars and grouts.
  - g) To improve penetration & or pump ability of concrete, mortars & grouts.
  - h) To reduce rate of slump loss
- x. Admixtures may also be used to modify one or more of the following properties of: HARDENED CONCRETE:
- I. To retard or reduce heat generation during early hardening.
  - II. To accelerate the rate of strength development.
  - III. To increase the strength of concrete or mortar (Compressive, tensile or flexural).
  - IV. To increase the durability or resistance to severe conditions of exposure including the application of deicing salts.
  - V. To decrease the capillary flow of water.
  - VI. To decrease the permeability to liquids.
  - VII. To control the expansion caused by the reaction of alkaline with certain aggregate constituents.
  - VIII. To produce cellular concrete.

- IX. To increase the bond of concrete to steel reinforcement
- X. To increase the bond between old and new concrete.
- XI. To improve impact resistance and abrasion resistance.
- XII. To inhibit the corrosion of embedded metal.
- XIII. To produce coloured concrete or mortar.

18. Clause for forfeiture of EMD amount:

At any point of time, the **Chairman Cum Trustee, MAA RAMACHANDI FOUNDATION**, Gothapatana, Bhubaneswar, **the Implementing Agency of Chheligada Maize Cluster** finds that the performance of the Contractor is not satisfactory; **MAA RAMACHANDI FOUNDATION** reserves the right to terminate the Contract. The loss/ damage suffered by **MAA RAMACHANDI FOUNDATION** will be debited to the bidder assigned for the work from the EMD given.

19. Payment in case of the construction work will be released after joint inspection by a team consisting of the representatives of the IA and TA and valuation by a Civil Engineer as per the terms of agreement.

20. In case of any un-satisfactory work by the contractor, the working committee and spot inspection conducted by Indian Micro Enterprises Development Foundation (“**IMEDF**”) (Nodal Agency of the Cluster) shall take necessary step for further action and, the Chairman cum Trustee, **MAA RAMACHANDI FOUNDATION** will stop the payments to the contractor till further discussion/ decisions taken.

21. In case any dispute arises between the Contractor and **MAA RAMACHANDI FOUNDATION** regarding payment of the bills the same shall be referred to the Nodal Agency of the Cluster for opinion.

22. **Jurisdiction:** Courts of Odisha shall have jurisdiction in the matter.

**23. Payment Terms:** As per the agreement signed by the Contractor and **MAA RAMACHANDI FOUNDATION**, Gothapatana, Bhubaneswar- 751003.

**Declaration:-**

I do hereby agree to abide by all the terms and conditions mentioned above.

(Signature of the authorized person/proprietor)

Name:

Designation:

Name of firm:

## Tender Form -2

### Technical Bid

TENDER FORM – Construction of Common Processing Shed, Raw Material Godown, Finished Product Godown and Office at K M Bhaliasahi, Mahendragada, R Udayagiri District-Gajapati in respect of Maa Ramachandi Foundation)

Technical Bid: -

Part-1 Description of work-Civil Works-Common Processing Shed, Raw Material Godown, Finished Product Godown and Office at K M Bhaliasahi, Mahendragada, Gajapati

Name of work: Construction of Infrastructure and other amenities for the proposed CFC as given below:

S No	Description of Work
1.	i. Common Processing Shed- 5,000 sq. ft. ii. Raw Material Bank Godown- 1,650 sq. ft. iii. Finished Products Godown- 1,350 sq. ft. iv. Office-1,000 sq. ft. (Construction specifications & drawing enclosed in Annexure-I)

### Part 2 Details of Firm/Agency

1. Name of the Firm/Agency:
2. Registered Address of the Firm/Agency:
3. Name & Phone No. of Co-ordinator/Contact Person:

4. Type of Firm/Agency:
5. Registration No:
6. Year of Commencement of work of the Firm/Agency:
7. Turnover of Firm/Agency for the year 2020-21:
8. Details of Human resources: (Man power with the firm/Agency)
9. PAN/Service Tax No. of the Firm/Agency:  
(Please enclose photo copy)
10. Description of construction activities done in the past by Firm/Agency in past  
(Please enclose copies of work order/photographs)
11. Action plan for present activity:
12. Other details, (If any):

**Miscellaneous: -**

1. The minimum turnover of the tendering firm for the last year (2020-21) should be Rs. 1,00,00,000 (Rupees One Crore only).
2. The tendering firm shall submit proposed costing and Work Plan as per the layout plan and specifications.

3. A demand draft of Rs. 1,76,000 (Rupees One Lakh Seventy Six Thousand only) will be enclosed with the Technical bid as earnest money. The draft will be in favour of “**Maa Ramachandi Foundation**” payable at Bhubaneswar, Odisha.
4. Balance Sheet prepared by Chartered Accountant for the last three years will invariably be enclosed along with technical bid.
5. Copies of Income Tax returns for the last three years will be enclosed with technical bid.
6. Copy of PAN/Service Tax Registration Certificate will be enclosed with technical bid.
7. The profile and following details of bidder firm/agency along with photograph, paper cutting, copy of work order will be submitted as under :-

<b>Year</b>	<b>Details of Construction Projects executed</b>	<b>Duration</b>	<b>Name of party for whom project executed</b>
<b>2018-19</b>			
<b>2019-20</b>			
<b>2020-21</b>			

8. Details of earnest money:
  - i. Demand Draft No.:
  - ii. Date:
  - iii. Amount:
  - iv. Name of the issuing bank:

**Declaration:**

**I hereby declare that the information given in the technical bid is true and correct and I hereby accept all the terms and conditions.**

**Place :**

**Date :**

Signature of the authorized person

Name:

Designation:

Name of firm & address:

Phone / Mobile No. :

Seal of the firm:

## CHECKLIST OF ATTACHMENTS IN TECHNICAL BID

S No	Particulars of Documents	Attached/Not Attached
1.	DD towards EMD amounting to Rs 1,76,000/- (Rupees One Lakh Seventy Six Thousand only) in favour of Maa Ramachandi Foundation (MRF), Bhubaneswar	
2.	DD of Rs 10,000/- (Rupees Ten Thousand only) towards tender paper cost in favour of Maa Ramachandi Foundation (MRF) payable at Bhubaneswar	
3.	Balance Sheet prepared by Chartered Accountant for the last three years	
4.	Proposed Costs and Work Plan	
5.	Copies of Income Tax returns for the last three years	
6.	Copy of PAN/Service Tax Registration Certificate	
7.	Authorization Letter of the Bid Signatory	
8.	Work profile of the bidder firm as per the given pro-forma with copies of work order, photographs and paper cuttings	
9.	Registration certificate of the firm	
10.	Aadhar Card of the proprietor / Authorised signatory	
11.	Profile of Human Resources	



## Tender Form -3

### Financial Bid

TENDER FORM – Construction of Common Processing Shed, Raw Material Godown, Finished Product Godown and Office at K M Bhaliasahi, Mahendragada, R Udayagiri District-Gajapati in respect of Maa Ramachandi Foundation)

1. Name of work: Construction of Infrastructure and other amenities for the proposed CFC as given below:

S No	Description of Work
1.	i. Common Processing Shed- 5,000 sq. ft. ii. Raw Material Bank Godown- 1,650 sq. ft. iii. Finished Products Godown- 1,350 sq. ft. iv. Office-1,000 sq. ft. (Construction specifications & drawing enclosed in Annexure-I)

### Financial Bid

S No	Construction of CFC	Amount Quoted
1.	i. The amount should be quoted as per details of work given below in <b>form No: Annexure – I</b>  ii. The amount quoted should be inclusive of all type of taxes including GST as no separate payment will be made for taxes.	

**Total amount in words: -**

**Place :**

**Date :**

Signature of the authorized person

Name:

Designation:

Name of firm & address:

Phone / Mobile No. :

Seal of the firm:

**Tender Form -4**

## Financial Bid

TENDER FORM – Construction of Common Processing Shed, Raw Material Godown, Finished Product Godown and Office at K M Bhaliasahi, Mahendragada, R Udayagiri District-Gajapati in respect of Maa Ramachandi Foundation

Work plan for proposed CFC

1. Name of work: Construction of Common Processing Shed, Raw Material Godown, Finished Product Godown and Office for the proposed CFC:

### Work Plan

S No	Description of Work	Timeline (from the date of issuance of contract)
1.	Completion of Land Levelling and Foundation	
2.	Completion of Colum and Side Walls	
3.	Completion of side walls	
4.	Providing anti termite/ pest control treatment	
5.	Completion of roofing including all fabrication work	
6.	Providing sponge finish plaster for internal walls	
7.	Completion of external wall plastering	
8.	Completion of Toilets	
9.	Completion of painting works	
10.	Electrical Works	
11.	Completion of shed in all aspects and carting away debris	
12.	Any other (please mention)	

**Note: The total time for completion of construction will not exceed 120 days from date of issuance of contract in any case whatsoever.**

**Place :**

**Date :**

Signature of the authorized person

Name:

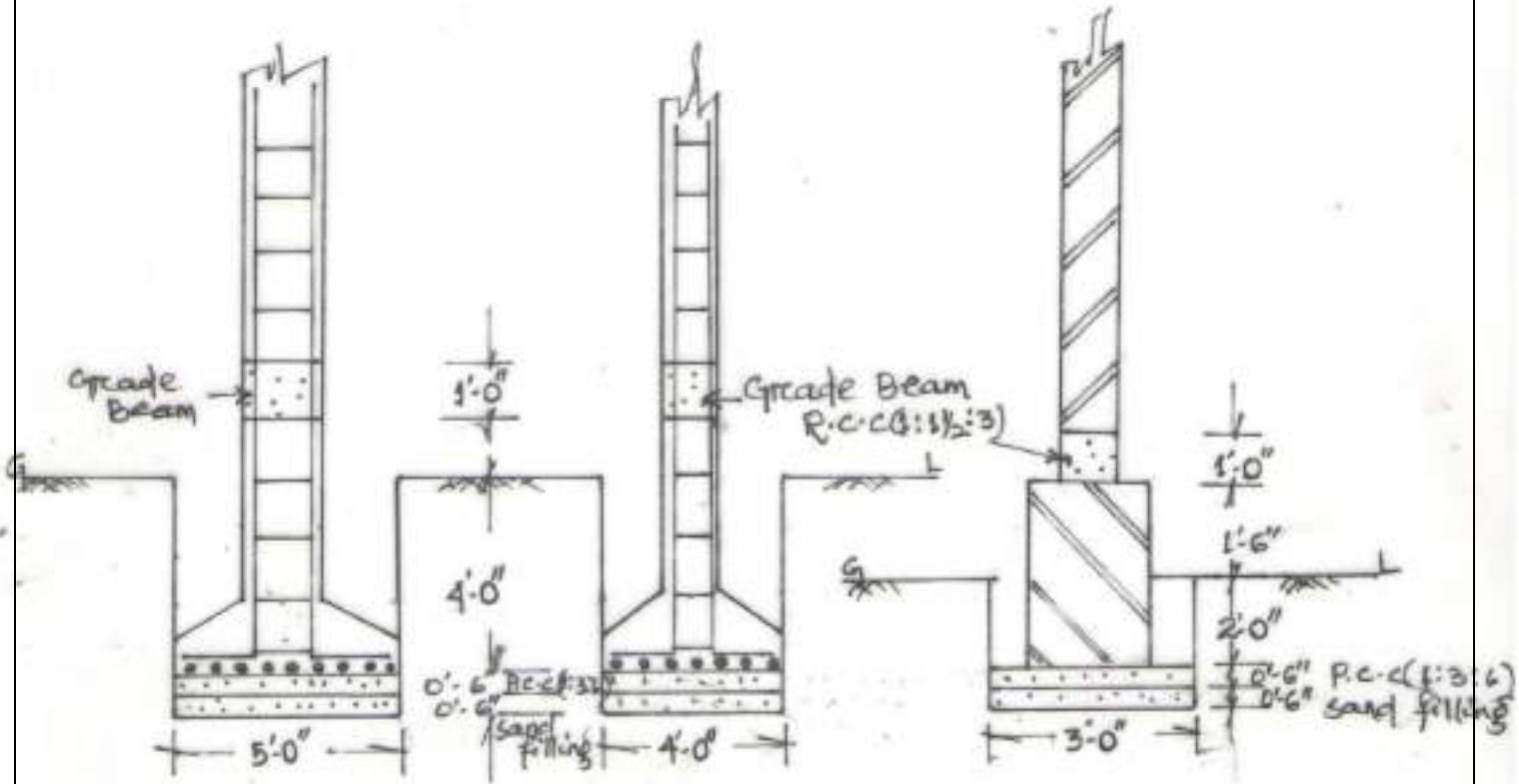
Designation:

Name of firm & address:

Phone / Mobile No. :

Seal of the firm:

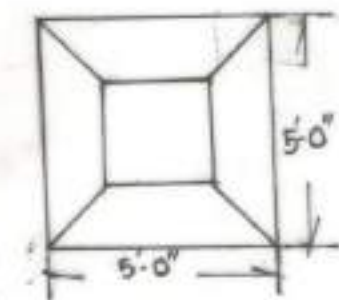
# FOUNDATION DETAILS



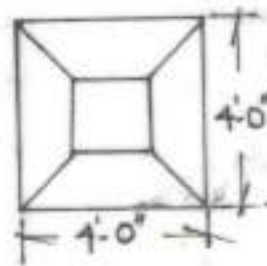
SEC. OF COLUMN-C<sub>2</sub>

SEC. OF COLUMN-C<sub>1</sub>

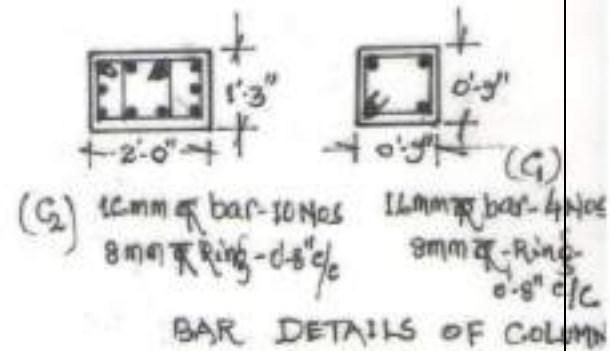
WALL SEC. DETAILS



COLUMN-C<sub>2</sub>

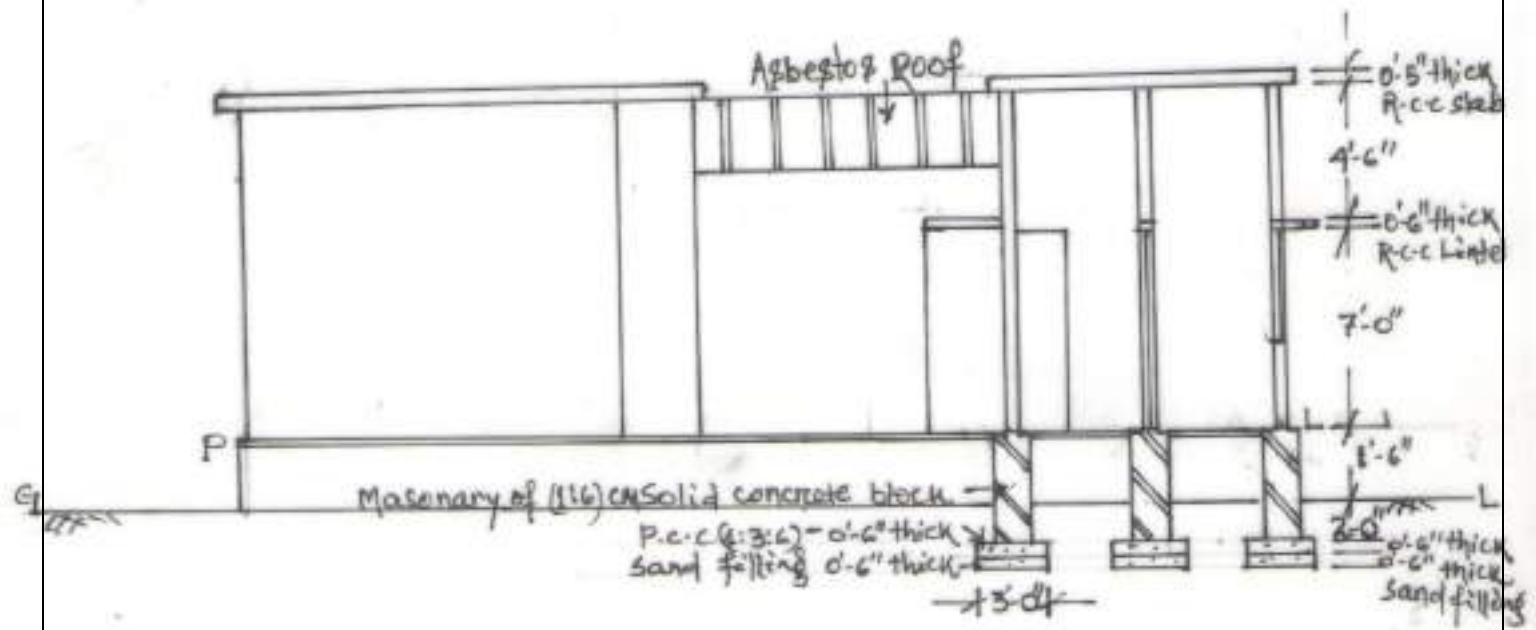


COLUMN-C<sub>1</sub>



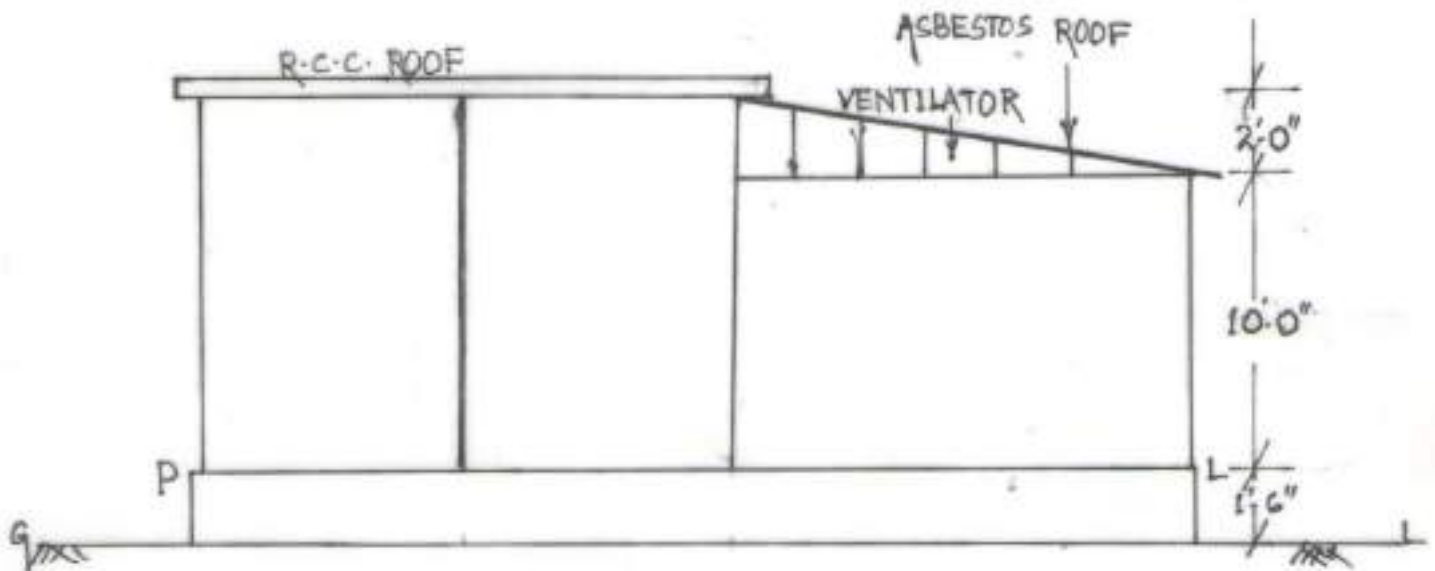
BAR DETAILS OF COLUMN

  
**Asst. Engineer**  
**Bellaguntha Block**

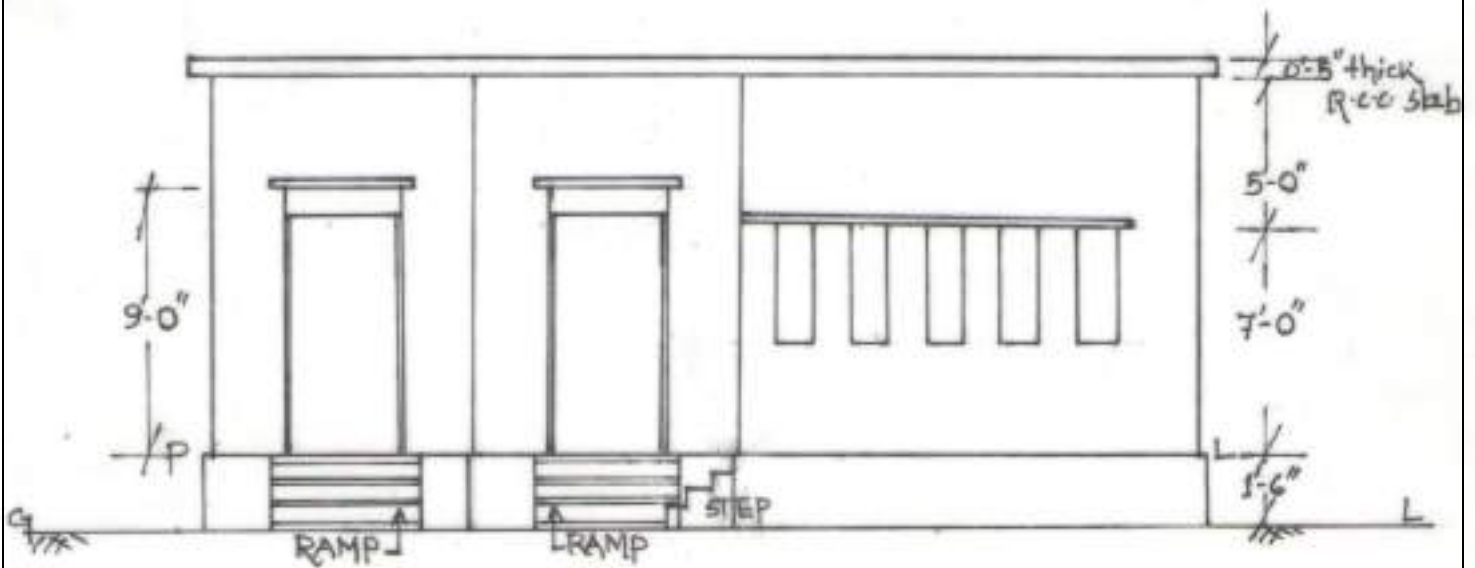


CROSS SECTION AT "ABCD"

  
**Asst. Engineer**  
**Bellaguntha Block**

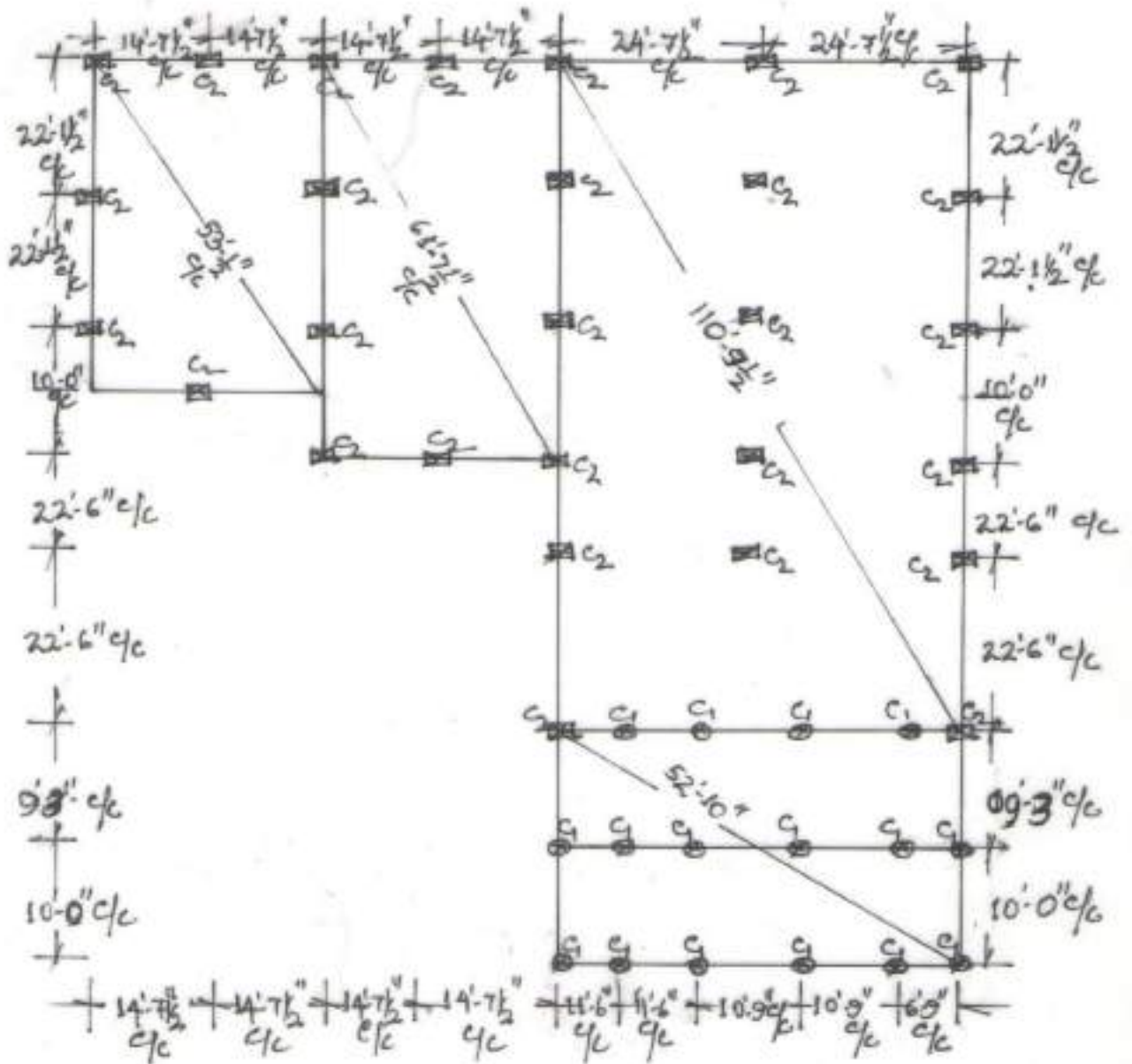


BACK SIDE ELEVATION



FRONT ELEVATION

  
**Asst. Engineer**  
**Bellaguntha Block**



### LAYOUT PLAN

COLUMN - G<sub>1</sub> - SIZE - 0'-9" x 0'-9" - ⊗

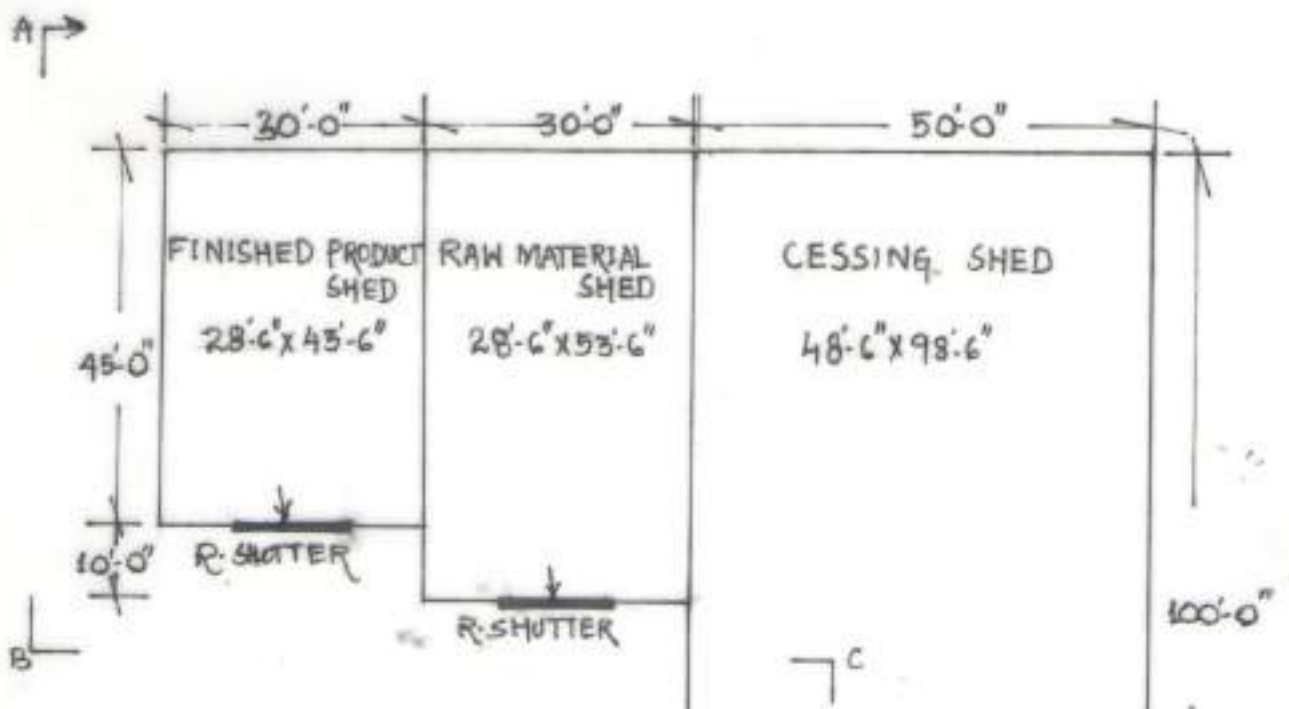
COLUMN - G<sub>2</sub> - SIZE - 1'-3" x 2'-0" - ⊠

ALL DIMENSIONS ARE CENTRE TO CENTRE DISTANCE

  
**Asst. Engineer**  
**Bellaguntha Block**

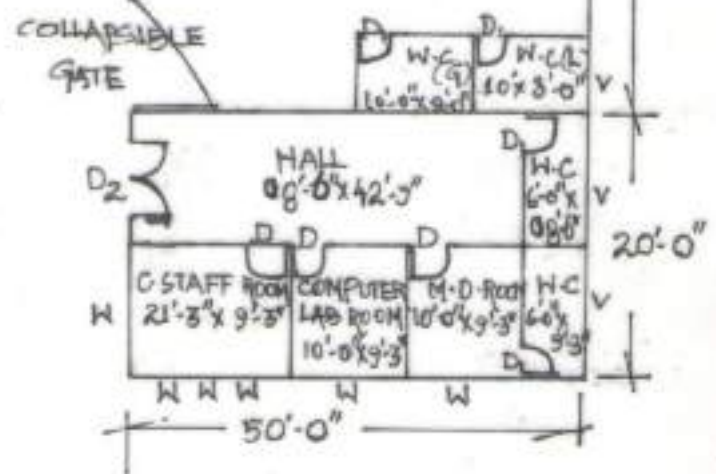


# PLAN OF PROPOSED CONSTRUCTION OF CORN CLUSTER CHELIGADA



## DETAILS OF PLINTH AREA

1-	FINISHED PRODUCT SHED (R.C.C)	-	1350 SFT.
2-	RAW MATERIAL SHED (R.C.C)	-	1650 SFT.
3-	CESSING SHED (ASBESTOS)	-	5000 SFT.
4-	OFFICE ROOM (R.C.C)	-	1000 SFT.
		TOTAL -	9000 SFT.



## PLAN

### SPECIFICATION

ITEM	SIZE
DOOR - D	3'-6" x 7'-0"
DOOR - D <sub>1</sub>	2'-3" x 7'-0"
DOOR - D <sub>2</sub>	4'-0" x 7'-0"
COLLAPSIBLE GATE	10'-0" x 9'-0"
R. SHUTTER (M.S)	8'-0" x 9'-0"
WINDOW - W	4'-0" x 4'-0"
VENTILATOR - V	2'-0" x 1'-6"



  
**Asst. Engineer**  
**Bellaguntha Block**

**ROUGH COST ESTIMATE FOR PROPOSED CONSTRUCTION OF CHELIGADA CORN  
CLUSTER AT VILLAVE :- CHELIGADA, BLOCK :- R.UDAYAGIRI, DIST:- GAJAPATI  
(ODISHA)**

SL. NO.	ITEM LIST	Area in sqft.	Unit Rate per sqft.	AMOUNT
1	2			3
1	Cessing shed (Asbestos roof)	5000.0 Sft.	800.00 /Sft Rs	4,000,000.00
2	Raw material bank or store room (RCC roof)	1650.0 Sft.	1200.00 /Sft Rs	1,980,000.00
3	Finished product godown or store ( RCC roof)	1350.0 Sft.	1200.00 /Sft Rs	1,620,000.00
4	Office Room(RCC roof)	1000.0 Sft.	1200.00 /Sft Rs	1,200,000.00
Total civil estimate cost (A):-				Rs 8,800,000.00
GST		18%	Rs	1,584,000.00
<b>Grand Total :-</b>				<b>Rs 10,384,000.00</b>

  
**Asst. Engineer**  
**Bellagantha Block**

**LEAD STATEMENT OF MATERIALS      Location:-Chelligada**

SL NO.	ITEM	LEAD K.M.	BASIC COST RS.	TRANSPORTATION CHARGES			ROYALTY RS.	NET COST RS.	QUERRY	REMARK
				FOR		TOTAL COST RS.				
				1ST. 5 K.M.	NEXT 1 K.M.					
1	Stone (Granite)	10	281.00	156.40	9.20	202.40	141.00	624.40	Local	
2	Soling Stone 10 cm(O.T.Granite)	10	135.00	156.40	9.20	202.40	141.00	478.40	Local	
3	Soling Stone 15 cm(O.T.Granite)	10	148.00	156.40	9.20	202.40	141.00	491.40	Local	
5	H.B.Soling Stone (O.T.Granite)40-90mm	10	215.00	156.40	9.20	202.40	141.00	558.40	Local	
6	H.G.Metal (40mm size)H.B	10	645.00	156.40	9.20	202.40	141.00	988.40	Local	
6	H.G.Metal (40mm size)C.B	10	790.00	156.40	9.20	202.40	141.00	1133.40	Local	
7	H.B.Granite Chips (12mm size)	10	859.00	156.40	9.20	202.40	141.00	1302.40	Local	
8	C.B.Granite Chips (12mm size)	10	1185.00	156.40	9.20	202.40	141.00	1528.40	Local	
9	C.B.Granite Bajji (6mm size)	10	725.00	156.40	9.20	202.40	141.00	1068.40	Local	
10	River sand	35	59.00	156.40	9.20	432.40	39.00	530.40	Reshikulya	
11	Filling sand	35	56.00	156.40	9.20	432.40	39.00	527.40	Reshikulya	
12	Moorum	10	50.00	156.40	9.20	202.40	39.00	291.40	Local	
13	Fly ash Bricks (1000 nos)	35	4000.00	404.32	16.56	901.12		4901.12	Berhampur	
13	C.B.Bricks (1000 nos)	10	3352.00	404.32	16.56	404.32		3756.32	Local	
14	Brick khoa	10	282.00	156.40	9.20	202.40		484.40	Local	
15	Cerment solid concrete	10	700.00	18.90	0.86	4.30		716.90	Local	
16	block(30x20x15)cm(1 no)	35	18.00	1.84	0.075	2.25		22.09	Berhampur	
17	Steel	10	5300.00					5300.00	Local	

Certified that the above lead statement is correct and shortest to the best of my knowledge.

*on receipt*



**Asst. Engineer**  
**Bellagumtha Block**

## ANALYSIS OF RATES.

SL. NO	DESCRIPTION	QNTY. REQD.	UNIT	@	RATE (RS.) /UNIT	AMOUNT (RS.)
1 Earth work in hard soil within 50m initial lead and 1.5m initial lift including dressing and levelling the bed for excavation of foundation.						
	Man & Women mulia	43 nos		@	308.00	= 13244.00
	T & P			@	2%	= 264.88
						= 13508.88
	Add for foundation			@	20%	= 2701.78
					Total for 100 cum	= 16210.66
2 P.C.C. (1:4:8) with 4cm size HBG metal as levelling course including all complete.						
Labour cost-						
	Mason 2nd class	0.18 nos		@	398.00	= 71.64
	Mulia	3.90 nos		@	308.00	= 1201.20
						= 1272.84
Material:-						
	H.B.Metal (40mm size)	0.96 cum		@	1133.40	= 1088.08
	Sand	0.48 cum		@	530.40	= 254.59
	Cement	1.72 qntl.		@	716.90	= 1233.07
					Total for 1 cum	= 3848.56
3 C.C.(1:2:4) using with 12mm size CBG chips including cost of materials, labour charges but excluding cost of centering etc. complete.						
Labour cost-						
	Mason 2nd class	0.68 nos		@	398.00	= 270.64
	Mulia	4.60 nos		@	308.00	= 1416.80
						= 1687.44
Material:-						
	C.B.G.Chips (12mm size)	0.90 cum		@	1528.40	= 1375.56
	Sand	0.45 cum		@	530.40	= 238.68
	Cement	3.23 qntl.		@	716.90	= 2315.59
					Total for 1 cum	= 5617.27
4 C.C.(1:1.5:3) using with 12mm size HBG chips including cost of materials.						
Labour cost-						
	Mason 2nd class	0.68 nos		@	398.00	= 270.64
	Mulia	4.60 nos		@	308.00	= 1416.80
						= 1687.44
Material:-						
	H.B.G.Chips (12mm size)	0.90 cum		@	1528.40	= 1375.56
	Sand	0.45 cum		@	530.40	= 238.68
	Cement	4.12 qntl.		@	716.90	= 2953.63
					Total for 1 cum	= 6255.31
5 Rigid and smooth Centering & shuttering of R.C.C works including removal of form work etc. complete.						
<u>A) Column footing &amp; Tie beam</u>						
Labour cost-						
	Carpenter 2nd. Class	0.05 nos		@	398.00	= 19.90
	Semi skilled mulia	0.05 nos		@	338.00	= 16.90
						= 36.80
Material:-						
	25mm non sal planks	0.0027 cum		@	17261.41	= 46.61
	80mm dia bulha	0.1260 mmt		@	43.15	= 5.4369
	Carriage of woods	0.0033 cum		@	129.37	= 0.43
						= 89.27
	T & P			@	2%	= 1.79
					Total for 1 sqm	= 91.06

  
**Asst. Engineer**  
**Bellaguntha Block**



B) Lintel

Labour cost-

Carpenter 2nd. Class	0.1603 nos	@	398.00	=	63.80
Semi skilled mulia	0.1603 nos	@	338.00	=	54.18
Material-				=	117.98
38mm non sal planks	0.0053 cum	@	17261.41	=	91.49
120mm dia bulha	0.2692 rmt	@	43.15	=	11.62
Carriage of woods	0.0068 cum	@	129.37	=	1.14
				=	222.22
T & P		@	2%	=	4.44
				=	226.67

Total for 1 sqm

C) Beam & Columns

Labour cost-

Carpenter 2nd. Class	0.6548 nos	@	398.00	=	260.61
Semi skilled mulia	0.6548 nos	@	348.00	=	227.87
Material-				=	488.48
38mm non sal planks	0.00520 cum	@	17261.41	=	89.76
120mm dia bulha	0.3619 rmt	@	67.22	=	24.33
80mm dia bulha	0.1905 rmt	@	43.15	=	8.22
Carriage of woods	0.0109 cum	@	129.37	=	1.41
				=	612.20
T & P		@	2%	=	12.24
				=	624.44

Total for 1 sqm

D) Fins & Drops

Labour cost-

Carpenter 2nd. Class	0.5649 nos	@	398.00	=	224.83
Semi skilled mulia	0.5649 nos	@	338.00	=	190.94
Material-				=	415.77
38mm non sal planks	0.0040 cum	@	17261.41	=	69.05
120mm dia bulha	0.4218 rmt	@	43.15	=	18.20
Batten	0.0011 rmt	@	17261.41	=	18.99
Carriage of woods	0.0103 cum	@	129.37	=	1.33
				=	523.33
T & P		@	2%	=	10.47
				=	533.80

Total for 1 sqm

E) Slab, Stair case & chajja

Labour cost-

Carpenter 2nd. Class	0.3055 nos	@	398.00	=	121.59
Semi skilled mulia	0.3055 nos	@	338.00	=	103.26
Material-				=	224.85
38mm non sal planks	0.0038 cum	@	17261.41	=	65.59
120mm dia bulha	0.6222 rmt	@	43.15	=	26.85
Centering wood	0.0012 rmt	@	17261.41	=	20.71
Carriage of woods	0.0127 cum	@	129.37	=	1.64
				=	339.65
T & P		@	2%	=	6.79
				=	346.44

Total for 1 sqm

6 R.R.H.G. stone masonry with sand grouted in F & P.

Labour cost-

Mason 2nd.class	1.41 nos	@	398.00	=	561.18
Mulia	2.47 nos	@	308.00	=	760.76
Material-				=	1321.94
H.G.stone	1 cum	@	624.40	=	624.40
Sand	0.24 cum	@	530.40	=	127.30
				=	2073.64

Total for 1 cum

7 R.R.H.G. stone masonry with c.m(1:6) in F & P.

Labour cost-

Mason (spl.)	0.35 nos	@	458.00	=	160.30
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**Asst. Engineer**  
**Bellaguntha Block**

Mason 2nd.class	1.41 nos	@	398.00	=	581.18
Mulia	3.17 nos	@	308.00	=	976.36
Material:-				=	1697.84
H.G.stone	1 cum	@	624.40	=	624.40
Sand	0.34 cum	@	530.40	=	180.34
Cement	0.8151 qntl.	@	716.90	=	584.35
	Total for 1 cum			=	3086.92
8 Soling stone (other than granite) masonry with sand grouted.					
Labour cost:-					
Stone packer	0.176 nos	@	338.00	=	59.49
Mulia	1.06 nos	@	308.00	=	326.48
Material:-				=	385.97
Soling stone	1 cum	@	478.40	=	478.40
Sand	0.24 cum	@	530.40	=	127.30
	Total for 1 cum			=	991.66
9 Fly ash/C.B. brick work in C.M.(1:6) in F & P etc. complete.					
Labour cost:-					
Mason (spl.)	0.35 nos	@	458.00	=	160.30
Mason 2nd.class	1.05 nos	@	398.00	=	417.90
Mulia	2.96 nos	@	308.00	=	911.68
Material:-				=	1489.88
C.B.Brick /Fly ash brick.	400 nos	@	4.90	=	1960.00
Sand	0.28 cum	@	530.40	=	148.51
Cement	0.672 qntl.	@	716.90	=	481.76
	Total for 1 cum			=	4080.15
10 Fly ash/C.B. brick work in C.M.(1:6) in Superstructure etc. complete.					
Labour cost:-					
Mason (spl.)	0.35 nos	@	458.00	=	160.30
Mason 2nd.class	1.05 nos	@	398.00	=	417.90
Mulia	3.62 nos	@	308.00	=	1114.96
Material:-				=	1693.16
C.B.Brick .	400 nos	@	4.90	=	1960.00
Sand	0.28 cum	@	530.40	=	148.51
Cement	0.672 qntl.	@	716.90	=	481.76
	Total for 1 cum			=	4283.43
11 Fly ash/C.B brick work in C.M.(1:4) in Superstructure for 5" thick wall etc.					
Labour cost:-					
Mason (spl.)	0.35 nos	@	458.00	=	160.30
Mason 2nd.class	1.05 nos	@	398.00	=	417.90
Mulia	3.62 nos	@	308.00	=	1114.96
Material:-				=	1693.16
C.B.Brick .	400 nos	@	4.90	=	1960.00
Sand	0.28 cum	@	530.40	=	148.51
Cement	1 qntl.	@	716.90	=	716.90
	Total for 1 cum			=	4518.57
12 25mm thick D.P.C. with C.C.(1:2:4) using with 12mm size H.G.chips etc. complete.					
Labour cost:-					
Mason (spl.)	0.103 nos	@	458.00	=	47.17
Mulia	0.33 nos	@	308.00	=	101.64
Material:-				=	148.81
H.G.Chips (12mm size)	0.023 cum	@	1528.40	=	35.15
Sand	0.012 cum	@	530.40	=	6.36
Cement	0.0754 qntl.	@	716.90	=	54.05
	Total for 1 sqm			=	244.39

  
**Asst. Engineer**  
**Bellaguntha Block**

13 Sand filling in foundation trench with ramming, watering etc. complete.					
Labour cost-					
Mulla	0.12 nos	@	308.00	=	<u>38.07</u>
Material:-					
Sand	1.00 cum	@	527.40	=	<u>527.40</u>
					<u>565.47</u>
T & P		@	2%	=	<u>11.31</u>
Total for 1 cum					<u>576.78</u>
14 4"thick dry brick khoa with ramming, watering & consolidating etc. complete.					
Labour cost-					
Mason 2nd class	0.05 nos	@	398.00	=	19.90
Mulla	0.38 nos	@	308.00	=	<u>117.04</u>
Material:-					
Brick khoa	0.14 cum	@	484.40	=	<u>67.82</u>
Total for 1 sqm					<u>204.76</u>
15 32mm thick A.S.flooring under layer of 25mm thick C.C.(1:2:4) using with 12mm size H.G.chips and top layer of 6mm thick pister of C.M.(1:3) with a floating coat of cement etc. complete.					
Labour cost-					
Mason (spl.)	0.27 nos	@	458.00	=	123.66
Semi skilled mulla	0.856 nos	@	338.00	=	289.33
Mulla	0.16 nos	@	308.00	=	<u>49.90</u>
Material:-					
H.G.Chips (12mm size)	0.023 cum	@	1528.40	=	35.15
Sand	0.012 cum	@	530.40	=	6.36
Cement	0.08 qntl.	@	716.90	=	57.35
6mm topping					
Sand	0.077 cum	@	530.40	=	40.84
Cement	0.0367 qntl.	@	716.90	=	26.32
Cement for floating coat	0.0115 qntl.	@	716.90	=	<u>8.24</u>
Total for 1 sqm					<u>637.16</u>
16 12mm thick Cement Plaster in C.M(1:6) etc. complete.					
Labour cost-					
Mason (2nd. class)	0.14 nos	@	398.00	=	55.72
Mulla	0.12 nos	@	308.00	=	<u>36.96</u>
Material:-					
Sand	0.015 cum	@	530.40	=	7.96
Cement	0.0358 qntl.	@	716.90	=	<u>25.67</u>
Total for 1 sqm					<u>126.30</u>
17 16mm thick Cement Plaster in C.M(1:6) etc. complete.					
Labour cost-					
Mason (2nd. class)	0.16 nos	@	398.00	=	63.68
Mulla	0.24 nos	@	308.00	=	<u>73.92</u>
Material:-					
Sand	0.018 cum	@	530.40	=	9.55
Cement	0.043 qntl.	@	716.90	=	<u>30.83</u>
Total for 1 sqm					<u>177.97</u>
18 12mm thick Cement Plaster in C.M(1:4) with neat punning for skirting etc. complete.					
Labour cost-					
Mason (2nd. class)	0.15 nos	@	398.00	=	59.70
Mulla	0.09 nos	@	308.00	=	<u>27.72</u>
Material:-					
Sand	0.015 cum	@	530.40	=	7.96
Cement	0.0644 qntl.	@	716.90	=	<u>46.17</u>
Total for 1 sqm					<u>141.54</u>

  
**Asst. Engineer**  
**Bellaguntha Block**

19 1" thick (average) grading concrete over roof with c.c.(1:2:2) in 6mm c.b.g.bajri etc. complete.					
Labour cost:-					
Mason (2nd. class)	0.1 nos	@	458.00	=	45.80
Mulia	0.36 nos	@	308.00	=	110.88
Material:-				=	156.68
C.B.G.Bajri (6mm size)	0.0169 cum	@	1022.40	=	17.28
Sand	0.0169 cum	@	530.40	=	8.96
Cement	0.1208 qntl.	@	716.90	=	86.60
				=	269.52
Add 5% extra for curing, lifting and laying of concrete					
				@	5%
Total for 1 sqm				=	13.48
				=	283.00
20 Fitting & Fixing of M.S.Grills including all complete.					
Labour cost:-					
Fitter & helper	1.00 kg.	@	5.50	=	5.50
Material:-				=	
M.S.Grill	1.00 kg.	@	72.00	=	72.00
Total for 1 kg.				=	77.50
21 Cutting, bending, binding & placing in position of Reinforcement for R.C.C.works including all complete.					
Labour cost:-					
Blacksmith 1st. Class	1.00 no	@	458.00	=	458.00
Semi skilled mulia	1.00 no	@	338.00	=	338.00
Material:-				=	798.00
Cost of MS ROD	1.05 qntl.	@	5300.00	=	5565.00
T & P		@	30%	=	238.80
Total for 1 qntl.				=	6599.80
22 Cement wasing 1 (one) coats with shell lime					
Labour cost:-					
Mason (2nd. class)	0.0081 nos	@	398.00	=	3.22
Mulia	0.0108 nos	@	308.00	=	3.33
Material:-				=	6.55
Shell lime	0.1103 kg.	@	9.00	=	0.99
Cement	0.0108 qntl.	@	716.90	=	7.74
				=	15.29
T & P		@	2%	=	0.31
Total for 1 sqm				=	15.59
23 Cement painting 2 (two) coats over cement washing.					
Labour cost:-					
Painter ( spl. )	0.022 nos	@	458.00	=	10.08
Mulia	0.0220 nos	@	308.00	=	6.78
Material:-				=	16.85
Cement paint.	0.33 kg.	@	45.00	=	14.85
				=	31.70
T & P		@	2%	=	0.63
Total for 1 sqm				=	32.34
24 White wasing 2 (two) coats with shell lime					
Labour cost:-					
Mason (2nd. class)	0.0108 nos	@	398.00	=	4.30
Mulia	0.01 nos	@	308.00	=	2.46
Material:-				=	6.76
Shell lime	0.2 kg.	@	9.00	=	1.80
				=	8.56
T & P		@	2%	=	0.17
Total for 1 sqm				=	8.73
25 Primer 1 (one) coat over new wood works.					
Labour cost:-					
Painter ( spl. )	0.0538 nos	@	458.00	=	24.64

  
**Asst. Engineer**  
**Bellaguntha Block**



Mulia	0.0538 nos	@	308.00	=	16.57
Material:-				=	41.21
Wood primer	0.0806 ltr.	@	148.00	=	11.77
				=	52.98
T & P		@	2%	=	1.06
	Total for 1 sqm			=	54.04
26 Primer 1 (one) coat over new iron works.					
Labour cost-					
Painter ( spl. )	0.0538 nos	@	458.00	=	24.64
Mulia	0.0538 nos	@	308.00	=	16.57
Material:-				=	41.21
Red oxide	0.0806 ltr.	@	129.00	=	10.40
				=	51.61
T & P		@	2%	=	1.03
	Total for 1 sqm			=	52.64
27 Enamel painting 2 (two) coats over primer.					
Labour cost-					
Painter ( spl. )	0.1344 nos	@	458.00	=	61.56
Mulia	0.1075 nos	@	308.00	=	33.11
Preparation of surface	1.0000 sqm.	@	0.18	=	0.18
Material:-				=	94.85
Enamel paint.	0.125 ltr.	@	193.00	=	24.13
				=	118.97
T & P		@	2%	=	2.36
	Total for 1 sqm			=	121.35
28 Supplying and fixing of steel window / Doors made out of M.S. section fixed with M.S.Grill with all fittings and fixtures including cost of cutting holes in the masonry walls and R.C.C col. etc.complete.					
Labour cost-					
Carpenter spl.	0.0148 nos	@	458.00	=	6.78
Semi skilled mulia	0.0148 nos	@	338.00	=	5.00
Material:-				=	11.78
M.S.shutter with grill frame	1.000 kg.	@	72.00	=	72.00
				=	83.78
T & P		@	2%	=	1.68
	Total for 1 sqm			=	85.46
29 Supplying and fitting of dressed seasoned sal wood choukhats including cost of clamps, screws and all complete.					
Labour cost-					
Carpenter 2nd class	17.857 nos	@	398.00	=	7107.13
Mulia	17.8571 nos	@	308.00	=	5499.99
Material:-				=	12607.11
Sal scantling sawn	1.00 cum	@	28547.72	=	28547.72
				=	41154.83
T & P		@	2%	=	823.10
	Total for 1 cum			=	41977.93
30 Supplying and fitting & fixing of factory made panelled shutter / flush door of any approved quality including cost of iron fittings, wooden cleats etc, all complete.					
Labour cost-					
Carpenter 2nd class	0.5319 nos	@	398.00	=	211.70
Mulia	0.5319 nos	@	308.00	=	163.83
Material:-				=	375.52
Panelled shutters	1.00 sqm	@	2250.00	=	2250.00
Wooden hinged cleats	1.06 nos.	@	25.00	=	26.60
				=	2652.12
T & P		@	2%	=	53.04
	Total for 1 sqm			=	2705.16

  
**Asst. Engineer**  
**Bellagumtha Block**

31 Providing & fixing of ceramic tiles of approved size in floors,walls over cement plaster (1:3) of 12mm thick jointed with neat white cement slurry including cost of all material, labour, T & P,etc. complete.					
Labour cost-					
Mason (2nd. class)	0.325 nos	@	398.00	=	129.35
Semi skilled mulia	0.76 nos	@	348.00	=	264.48
Mulia	0.325 nos	@	308.00	=	100.10
Material:-					
Ceramic tiles	1.000 sqm	@	400.00	=	400.00
White cement	0.066 qntl.	@	1925.00	=	127.05
Cement	0.0717 qntl.	@	716.90	=	51.40
Sand	0.015 cum	@	530.40	=	7.96
Total for 1 sqm					<u>1080.34</u>
32 Cement painting 2 (two) coats over cement washing.					
Labour cost-					
Painter ( spl. )	0.0188 nos	@	458.00	=	8.61
Mulia	0.0172 nos	@	308.00	=	5.30
					=
					13.91
T & P		@	2%	=	0.28
Total for 1 sqm					<u>14.19</u>
33 Distempering 2 (two) coats over cement washing.					
Labour cost-					
Painter ( spl. )	0.052 nos	@	458.00	=	23.82
Mulia	0.0520 nos	@	308.00	=	19.10
					=
					42.91
T & P		@	2%	=	0.86
Total for 1 sqm					<u>43.77</u>
34 Supplying and fitting & fixing of factory made 25 mm thick BWR ply wood panelled shutter / flush door of any approved quality including cost of iron fittings, wooden cleats etc. sll complete.					
Labour cost-					
Carpenter 1st class	0.53 nos	@	458.00	=	242.74
Carpenter 2nd class	0.908 nos	@	398.00	=	361.78
Helper	0.53 nos	@	348.00	=	184.44
Mulia	0.5300 nos	@	308.00	=	163.24
Material:-					
Panelled shutters	1.11 sqm	@	950.00	=	1050.70
Wooden hinged cleats	1.00 nos.	@	26.00	=	26.00
Nails,T&P,Other fittings		@	2%	=	42.00
Total for 1 sqm					<u>2070.90</u>
35 Supplying and fixing of G.C.I./Asbestos sheet in roof including cost of G.C.I. sheets,labour, T & P etc. complete.					
Labour cost-					
Carpenter spl. Class	0.0530 nos	@	458.00	=	24.27
Fitter 1st. Class	0.1075 nos	@	458.00	=	49.24
Mulia	0.2151 nos	@	308.00	=	66.25
Material:-					
G.C.I.sheet	1.00 sqm.	@	292.00	=	292.00
Total for 1 sqm					<u>431.76</u>
36 20mm thick Cement Plaster in C.M(1:6) etc. complete.					
Labour cost-					
Mason (2nd. class)	0.16 nos	@	398.00	=	63.68
Mulia	0.24 nos	@	308.00	=	73.92
Material:-					
Sand	0.021 cum	@	530.40	=	11.14
Cement	0.057 qntl.	@	716.90	=	40.86
Total for 1 sqm					<u>189.60</u>

  
**Asst. Engineer**  
**Bellaguntha Block**

37 Providing & fixing of vitrified tiles of approved size in floors,walls over cement plaster (1:3) of 12mm thick jointed with neat white cement slurry including cost of all material, labour, T & P,etc. complete.

Labour cost-

Mason (2nd. class)	0.325 nos	@	398.00	=	129.35
Semi skilled mulia	0.76 nos	@	348.00	=	264.48
Mulia	0.325 nos	@	308.00	=	100.10
					<hr/>
Material:-					493.93
Vitrified tile	1.000 sqm	@	605.00	=	605.00
White cement	0.066 qntl.	@	1925.00	=	127.05
Cement	0.0717 qntl.	@	716.90	=	51.40
Sand	0.015 cum	@	530.40	=	7.96
Total for 1 sqm					<hr/>
					1285.34

38 Providing & fixing of chequered tiles of approved size in floors,walls over cement plaster (1:3) of 12mm thick jointed with neat white cement slurry including cost of all material, labour, T & P,etc. complete.

Labour cost-

Mason (2nd. class)	0.325 nos	@	398.00	=	129.35
Semi skilled mulia	0.76 nos	@	348.00	=	264.48
Mulia	0.325 nos	@	308.00	=	100.10
					<hr/>
Material:-					493.93
Chequered tiles	1.000 sqm	@	217.00	=	217.00
White cement	0.066 qntl.	@	1925.00	=	127.05
Cement	0.0717 qntl.	@	716.90	=	51.40
Sand	0.015 cum	@	530.40	=	7.96
Total for 1 sqm					<hr/>
					897.34

39 Supplying and fitting & fixing of factory made panelled shutter / flush door of any approved quality including cost of iron fittings, wooden cleats etc. all complete.

Labour cost-

Carpenter 2nd class	0.5319 nos	@	398.00	=	211.70
Mulia	0.5319 nos	@	308.00	=	163.83
					<hr/>
Material:-					375.52
Panelled shutters	1.00 sqm	@	1094.40	=	1094.40
Wooden hinged cleats	1.06 nos.	@	25.00	=	26.60
Total for 1 sqm					<hr/>
					1496.52

40 Dismantalling & removing of A.S.flooring/ mosaic flooring including stacking the useful materials for reuse & removing the debries with in 50m lead.

Labour cost-

Mulia	0.2150 nos	@	308.00	=	66.22
					<hr/>
					66.22
T & P		@	2%	=	1.32
Total for 1 sqm					<hr/>
					67.54

41 Dismantalling of old plaster / grading plaster including racking of joints and removing the debries with in 50m lead.

Labour cost-

Mulia	0.1070 nos	@	308.00	=	32.96
					<hr/>
					32.96
T & P		@	2%	=	0.66
Total for 1 sqm					<hr/>
					33.62

42 Dismantalling of brick / stone masonry in c.m. including stacking the useful materials for reuse and removing the debries within 50m lead.

Labour cost-

Mulia	3.0035 nos	@	308.00	=	925.06
					<hr/>
					925.06
T & P		@	2%	=	18.50
Total for 1 cum					<hr/>
					943.58

  
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43 Dismantling of R.C.C./ P.C.C. works including stacking the useful materials for reuse and removing the debris within 50m lead.					
Labour cost:-					
Mulla	3.00 nos	@	308.00	=	924.00
				=	924.00
T & P		@	2%	=	18.48
			<b>Total for 1 cum</b>	=	<b>942.48</b>
44 Dismantling and removing of doors, windows, ventilators including removal of frames, hinges, fastening & stacking the same for reuse and removing the debris within 50mtr. lead.					
Labour cost:-					
Carpenter (2nd. Class)	0.192 nos	@	398.00	=	76.42
Mulla	0.62 nos	@	308.00	=	189.54
				=	265.96
T & P		@	2%	=	5.32
			<b>Total for 1 sqm</b>	=	<b>271.28</b>
45 Removing and scarping of old paints from wall, wood & iron works before applying the new coats of paints including removing the debris within 50mtr lead.					
Labour cost:-					
Mulla	0.1075 nos	@	308.00	=	33.11
				=	33.11
T & P		@	2%	=	0.66
			<b>Total for 1 sqm</b>	=	<b>33.77</b>
46 P.C.C. (1:3:6) with 4cm size HBG metal as levelling course including all complete.					
Labour cost:-					
Mason 2nd.class	0.18 nos	@	398.00	=	71.64
Mulla	3.90 nos	@	308.00	=	1201.20
				=	1272.84
Material:-					
H.B.Metal (40mm size)	0.96 cum	@	1133.40	=	1088.06
Sand	0.48 cum	@	530.40	=	254.59
Cement	2.29 qntl.	@	640.00	=	1465.60
			<b>Total for 1 cum</b>	=	<b>4081.10</b>
47 solid concrete block brick work in C.M.(1:6) in foundation and plinth etc.					
Labour cost:-					
Mason (spl.)	0.35 nos	@	458.00	=	160.30
Mason 2nd.class	1.05 nos	@	398.00	=	417.90
Mulla	3.62 nos	@	308.00	=	1114.96
				=	1693.16
Material:-					
Solid concrete block(30x20x15) cm .	90 nos	@	22.09	=	1988.10
Sand	0.28 cum	@	530.40	=	148.51
Cement	0.672 qntl.	@	716.90	=	481.76
			<b>Total for 1 cum</b>	=	<b>4311.53</b>

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**DETAILED ESTIMATE FOR PROPOSED "CONSTRUCTION OF CHELIGADA  
CORN CLUSTER" AT CHELIGADA VILLAGE, BLOCK :- R.UDAYAGIRI,DIST :-  
GAJAPATI, (ODISHA)**

**GROUND FLOOR**

- 1 Earth work in hard soil in excavation of foundation trenches within 50 m. initial lead and 1.5 m. initial lift including all

costs of labour materials required for the work etc complete and as per direction of Engineer-in-charge.

Length of wall	=	1	×	727'-9"	×	3'-0"	×	3'-6"	=	7,641.38	Cft.	
Column(C1)	=	16	×	4'-0"	×	4'-0"	×	5'-6"	=	1,408.00	Cft.	
Column(C2)	=	28	×	5'-0"	×	5'-0"	×	5'-6"	=	3,850.00	Cft.	
Add 1 % for steps	=		×	7641.38	×	0.01			=	76.41	Cft.	
									Total	=	12,975.79	Cft.
=		367.47		Cum	@	Rs.		162.11	=	Rs.	59571.27	

- 2 Filling foundation and plinth with sand well watered and rammed incl. cost of all complete.

Length of wall	=	1	×	727'-9"	×	3'-0"	×	0'-6"	=	1,091.63	Cft.	
Column(C1)	=	16	×	4'-0"	×	4'-0"	×	0'-6"	=	128.00	Cft.	
Column(C2)	=	28	×	5'-0"	×	5'-0"	×	0'-6"	=	350.00	Cft.	
Filling sides of foundation	=			1/3 of the foundation trench								
				12,975.79 Cft.			×	1/3			4,325.26	Cft.
<b>Filling pockets of room</b>												
Finished product shed	=	1	×	28'-6"	×	43'-6"	×	2'-0"	=	2,479.50	Cft.	
Raw material shed	=	1	×	28'-6"	×	53'-6"	×	2'-0"	=	3,049.50	Cft.	
Cessing shed	=	1	×	48'-6"	×	89'-9"	×	2'-0"	=	8,705.75	Cft.	
Cessing shed	=	1	×	27'-0"	×	8'-9"	×	2'-0"	=	472.50	Cft.	
Hall	=	1	×	8'-6"	×	42'-9"	×	2'-0"	=	726.75	Cft.	
Staff room	=	1	×	21'-3"	×	9'-3"	×	2'-0"	=	393.13	Cft.	
Computer lab and MD's Room	=	2	×	10'-0"	×	8'-0"	×	2'-0"	=	320.00	Cft.	
Toilet	=	2	×	10'-0"	×	8'-0"	×	2'-0"	=	320.00	Cft.	
Toilet	=	1	×	6'-0"	×	9'-3"	×	2'-0"	=	111.00		
Toilet	=	1	×	6'-0"	×	8'-6"	×	2'-0"	=	102.00	Cft.	
Ramp	=	3	×	10'-0"	×	10'-0"	×	1'-0"	=	300.00	Cft.	
Steps	=	1	×	8'-0"	×	4'-0"	×	0'-6"	=	16.00	Cft.	
									Total	=	22,891.02	Cft.
=		648.27		Cum	@	Rs.		576.78	=	Rs.	373911.35	

- 3 Cement concrete (1:3:6) with 4 cm. Down grade size hand broken hard granite metal laying in 150/100mm thick ramming, compacting to proper thickness.,watering, curing, Incl. cost of all complete.

Length of wall	=	1	×	727'-9"	×	3'-0"	×	0'-9"	=	1,637.44	Cft.	
Column(C1)	=	16	×	4'-0"	×	4'-0"	×	0'-9"	=	192.00	Cft.	
Column(C2)	=	28	×	5'-0"	×	5'-0"	×	0'-9"	=	525.00	Cft.	
Finished product shed	=	1	×	28'-6"	×	43'-6"	×	0'-9"	=	929.81	Cft.	
Raw material shed	=	1	×	28'-6"	×	53'-6"	×	0'-9"	=	1,143.56	Cft.	
Cessing shed	=	1	×	48'-6"	×	89'-9"	×	0'-9"	=	3,264.66	Cft.	
Cessing shed	=	1	×	27'-0"	×	8'-9"	×	0'-9"	=	177.19	Cft.	
Hall	=	1	×	8'-6"	×	42'-9"	×	0'-9"	=	272.53	Cft.	
Staff room	=	1	×	21'-3"	×	9'-3"	×	0'-9"	=	147.42	Cft.	
Computer lab and MD's Room	=	2	×	10'-0"	×	8'-0"	×	0'-9"	=	120.00	Cft.	
Toilet	=	2	×	10'-0"	×	8'-0"	×	0'-9"	=	120.00	Cft.	
Toilet	=	1	×	6'-0"	×	9'-3"	×	0'-9"	=	41.63	Cft.	
Toilet	=	1	×	6'-0"	×	8'-6"	×	0'-9"	=	38.25	Cft.	
Ramp	=	3	×	10'-0"	×	10'-0"	×	0'-9"	=	225.00	Cft.	
Steps	=	1	×	8'-0"	×	4'-0"	×	0'-9"	=	24.00	Cft.	
									Total	=	8,858.49	Cft.
=		250.70		Cum	@	Rs.		4,081.10	=	Rs.	1023131.77	

  
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## 4 Solid concrete block masonry in cement mortar (1:6) in Foundation and Plinth incl. cost of all complete.

Length of wall	=	1	×	727'-9"	×	2'-8"	×	2'-6"	=	4,851.67	Cft.		
Length of Wall	=	1	×	727'-9"	×	2'-0"	×	2'-6"	=	3,638.75	Cft.		
<b>DEDUCTIONS</b>										Total	=	8,490.42	Cft.
Column(C1)	=	16	×	0'-9"	×	0'-9"	×	5'-6"	=	40.50	Cft.		
Column(C2)	=	28	×	2'-0"	×	1'-3"	×	5'-6"	=	385.00	Cft.		
										Total	=	434.50	Cft.
<b>Net Quantity:-</b>											=	8,055.92	Cft.

= 228.14 Cum @ Rs. 4,311.53 = Rs. 983632.45

## 5 Brick work with Fly ash Bricks in cement mortar (1:6) in super structure having crushing strength not less than 75.00

kg/cm2 immersing the bricks in water not less than six hours before use in masonry incl. cost of all complete.

Length of wall	=	1	×	727'-9"	×	0'-9"	×	10'-6"	=	5,731.03	Cft.		
Ramp	=	6	×	10'-0"	×	0'-9"	×	1'-0"	=	45.00	Cft.		
Steps	=	1	×	8'-0"	×	1'-3"	×	0'-9"	=	7.50	Cft.		
Steps	=	1	×	8'-0"	×	1'-3"	×	0'-6"	=	5.00	Cft.		
Steps	=	1	×	8'-0"	×	1'-3"	×	0'-6"	=	5.00	Cft.		
										Total	=	5,793.53	Cft.

**DEDUCTIONS****(A Doors & Windows**

Door D	=	3	×	3'-6"	×	7'-0"	=	73.50	Sft.			
Door D1	=	4	×	2'-3"	×	7'-0"	=	63.00	Sft.			
Door D2	=	1	×	4'-0"	×	7'-0"	=	28.00	Sft.			
Collapsible gate	=	1	×	8'-0"	×	9'-0"	=	72.00	Sft.			
Rolling shutter	=	2	×	8'-0"	×	9'-0"	=	144.00	Sft.			
Window W	=	6	×	4'-0"	×	4'-0"	=	96.00	Sft.			
Vent opening	=	0.5	×	48'-6"	×	1'-0"	=	24.25	Sft.			
Vent opening	=	1	×	60'-0"	×	1'-6"	=	90.00	Sft.			
Vent. Opening (Toilet)	=	4	×	2'-0"	×	1'-6"	=	12.00	Sft.			
Vent. opening (sky light)	=	22	×	2'-0"	×	1'-0"	=	44.00	Sft.			
									Total	=	646.75	Sft.
=	646.75	×	0'-9"	=	485.06	Cft.						

**(B Lintel**

Continuous Lintel 9" wall	=	1	×	727'-9"	×	0'-6"	=	363.88	Sft.				
									Total	=	363.88	Sft.	
=	363.88	Sft.	×	0'-6"	=	181.94	Cft.						
<b>Net deduction</b>									485.06	+ 181.94	=	667.00	Cft.

Net brick work in superstructure =

5,793.53 - 667.00 = 5,126.53 Cft.  
 = 145.18 Cum @ Rs. 4,283.43 = Rs. 621868.37

## 6 Reinforced cement concrete (1:1.5:3) with 12 mm size black hard crusher broken granite chips including hoisting and laying in position compacting to proper design section but excluding cost of tor steel rod and labour charges for cutting, bending, binding etc. complete.

Lintel	=	1	×	727'-9"	×	0'-9"	×	0'-6"	=	272.91	Cft.
GradeBeam(GB1)	=	1	×	220'-0"	×	0'-9"	×	1'-0"	=	165.00	Cft.
GradeBeam(GB2)	=	1	×	883'-0"	×	1'-3"	×	1'-0"	=	1,103.75	Cft.
Column Base(C1)	=	16	×	4'-0"	×	4'-0"	×	1'-6"	=	384.00	Cft.
Column Base(C2)	=	28	×	5'-0"	×	5'-0"	×	1'-6"	=	1,050.00	Cft.
Column(C1)	=	16	×	0'-9"	×	0'-9"	×	18'-0"	=	162.00	Cft.
Column(C2)	=	28	×	1'-3"	×	2'-0"	×	18'-0"	=	1,260.00	Cft.
Wall Beam	=	1	×	727'-9"	×	0'-9"	×	0'-9"	=	409.36	Cft.
Roof Beam (RB1)	=	4	×	9'-3"	×	0'-9"	×	0'-9"	=	20.81	Cft.
Roof Beam (RB1)	=	4	×	8'-6"	×	0'-9"	×	0'-9"	=	19.13	Cft.
Roof Beam (RB2)	=	4	×	28'-6"	×	1'-3"	×	1'-6"	=	213.75	Cft.
Roof Beam (RB2)	=	4	×	46'-6"	×	1'-3"	×	1'-6"	=	348.75	Cft.
Chajja	=	6	×	5'-6"	×	2'-0"	×	0'-2.5"	=	13.75	Cft.
Chajja	=	3	×	3'-0"	×	1'-6"	×	0'-2.5"	=	2.81	Cft.
Chajja	=	1	×	6'-0"	×	2'-0"	×	0'-2.5"	=	2.50	Cft.

  
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Chajja	=	1	x	12'-0"	x	2'-0"	x	0'-2.5"	=	5.00 Cft.
Chajja	=	2	x	10'-0"	x	2'-0"	x	0'-2.5"	=	8.33 Cft.
Roof Slab	=	1	x	51'-0"	x	21'-0"	x	0'-5"	=	446.25 Cft.
Roof Slab	=	1	x	30'-6"	x	46'-0"	x	0'-5"	=	584.58 Cft.
Roof Slab	=	1	x	31'-0"	x	56'-0"	x	0'-5"	=	723.33 Cft.
Roof slab	=	1	x	22'-3"	x	9'-6"	x	0'-5"	=	52.84 Cft.
									Total	= 7,248.85 Cft.

= 205.29 Cum @ Rs. 6,255.31 = Rs. 1284152.59

7 Cutting, bending, binding and tying the grills and placing in position of steel reinforcement incl. cost of all labour, material etc. all complete.

(a) Ground Floor(Lintel)	=	1541.66 Cft	@	2.00 Kg /Cft	=	3,083.32 Kg
Beam & Column	=	3,867.80 Cft	@	4.50 Kg /Cft	=	17,405.10 Kg
Roof Slab	=	1839.39 Cft	@	2.10 Kg /Cft	=	3,862.72 Kg
					Total	= 24,351.14 Kg

= 243.51 Qntl. @ Rs. 6,599.80 = Rs. 1607117.30

8 Rigid and smooth centering and shuttering for R.C.C. work including false works and dismantling then after casting etc. complete.

Lintel	=	2	x	727'-9"	x	0'-6"	=	727.75 Sft.
							Total	= 727.75 Sft.

= 67.61 Sqm @ Rs. 226.67 = Rs. 15325.16

GradeBeam(GB1)	=	2	x	220'-0"	x	1'-0"	=	440.00 Sft.
GradeBeam(GB2)	=	2	x	883'-0"	x	1'-0"	=	1,766.00 Sft.
							Total	= 2,206.00 Sft.

= 204.94 Sqm @ Rs. 91.06 = Rs. 18661.84

<b>(A)Roof Slab</b>								
Finished product shed	=	1	x	28'-6"	x	43'-6"	=	1,239.75 Sft.
Raw material shed	=	1	x	28'-6"	x	53'-6"	=	1,524.75 Sft.
Cessing shed	=	1	x	48'-6"	x	89'-9"	=	4,352.88 Sft.
Cessing shed	=	1	x	27'-0"	x	8'-9"	=	236.25 Sft.
Hall	=	1	x	8'-6"	x	42'-9"	=	363.38 Sft.
Staff room	=	1	x	21'-3"	x	9'-3"	=	196.56 Sft.
Computer lab and MD's Room	=	2	x	10'-0"	x	8'-0"	=	160.00 Sft.
Toilet	=	2	x	10'-0"	x	8'-0"	=	160.00 Sft.
Toilet	=	1	x	6'-0"	x	9'-3"	=	55.50 Sft.
Toilet	=	1	x	6'-0"	x	8'-6"	=	51.00 Sft.
Chajja	=	6	x	5'-6"	x	2'-0"	=	66.00 Sft.
Chajja	=	3	x	3'-0"	x	1'-6"	=	13.50 Sft.
Chajja	=	1	x	6'-0"	x	2'-0"	=	12.00 Sft.
Chajja	=	1	x	12'-0"	x	2'-0"	=	24.00 Sft.
Chajja	=	2	x	10'-0"	x	2'-0"	=	40.00 Sft.
Comice	=	1	x	408'-0"	x	0'-6"	=	204.00 Sft.
							Total	= 8,699.57 Sft.

808.19 Sqm @ Rs. 364.44 = Rs. 294,536.76

**(A)Beams**

Wall Beam	=	2	x	727'-9"	x	0'-9"	=	1091.63 Sft.
Roof Beam (RB1)	=	8	x	9'-3"	x	0'-9"	=	55.50 Sft.

Roof Beam (RB2)	=	8	x	28'-6"	x	1'-6"	=	342.00 Sft.
Roof Beam (RB2)	=	8	x	46'-6"	x	1'-6"	=	558.00 Sft.
							Total	= 2047.13 Sft.

**(B)Columns**

Column(C1)	=	16	x	3'-0"	x	18'-0"	=	864.00 Sft.
Column(C2)	=	28	x	4'-6"	x	18'-0"	=	2268.00 Sft.
							Total	= 3132.00 Sft.

Total (A)+(B) = 5179.13 Sft.

= 481.14 Sqm @ Rs. 624.44 = Rs. 300443.06

  
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- 9 16 mm thick cement Plaster (1:6) over brick work including racking out joints finishing smooth with proper plumb and line watering curing for seven days.

Length of wall	=	1	×	727'-9"	×	12'-0"	=	8,733.00	Sft.
<b>Deduction:</b>								<b>Total</b>	<b>= 8,733.00 Sft.</b>
1/2 X Item 5(A)								=	242.53 Sft.
Net								=	8,490.47 Sft.

= 788.76 Sqm @ Rs. 177.97 = Rs. 140375.62

- 10 12 mm thick cement Plaster (1:6) over brick work including racking out joints finishing smooth with proper plumb and line watering curing etc complete.

A) 16 mm Plaster Area								=	8,490.47 Sft.
B) Plinth Plaster	=	1	×	460'-0"	×	3'-6"	=	1,610.00	Sft.
								<b>Total</b>	<b>= 10,100.47 Sft.</b>

= 938.33 Sqm. @ Rs. 126.30 = Rs. 118511.08

- 11 1" thick grading Plaster or concrete over Roof incl. cost of all complete.

Roof Slab	=	1	×	51'-0"	×	21'-0"	=	1,071.00	Sft.
Roof Slab	=	1	×	30'-6"	×	46'-0"	=	1,403.00	Sft.
Roof Slab	=	1	×	31'-0"	×	56'-0"	=	1,736.00	Sft.
Roof slab	=	1	×	22'-3"	×	9'-6"	=	211.38	Sft.
								<b>Total</b>	<b>= 4,421.38 Sft.</b>

= 410.75 Sqm @ Rs. 283.00 = Rs. 116242.25

- 12 Cement paint two coats over a coat of Cement wash to new surface of wall etc complete.(Only labour)

16 mm plaster area(1:6)								=	8,490.47 Sft.
12 mm plaster area (1:6)								=	10,100.47 Sft.
Centering area of roof slab								=	8,699.57 Sft.
								<b>Total</b>	<b>= 27,290.51 Sft.</b>

= 2535.29 Sqm @ Rs. 32.34 = Rs. 81991.28

- 13 Painting two coats of enamel paint over a coat of priming complete.

Door D	=	3	×	3'-6"	×	7'-0"	=	73.50	Sft.
Door D1	=	4	×	2'-3"	×	7'-0"	=	63.00	Sft.
Door D2	=	1	×	4'-0"	×	7'-0"	=	28.00	Sft.
Collapsible gate	=	1	×	8'-0"	×	9'-0"	=	72.00	Sft.
Rolling shutter	=	2	×	8'-0"	×	9'-0"	=	144.00	Sft.
Window W	=	6	×	4'-0"	×	4'-0"	=	96.00	Sft.
Vent opening	=	1	×	48'-6"	×	1'-0"	=	24.25	Sft.
Vent opening	=	1	×	60'-0"	×	1'-6"	=	90.00	Sft.
Vent. Opening (Toilet)	=	4	×	2'-0"	×	1'-6"	=	12.00	Sft.
Vent. opening (sky light)	=	22	×	2'-0"	×	1'-0"	=	44.00	Sft.
								<b>Total</b>	<b>= 646.75 Sft.</b>

@ 2.5 of Grill area = 1,616.88 Sft.

G.Total = 1,616.88 Sft.

= 150.21 Sqm @ Rs. 173.99 = Rs. 26135.04

- 14 Providing, laying of vitrified tiles in floor over C.M. (1:3) with neat white cement joint incl. cost of all labour, material, T&P etc. all complete.

Hall	=	1	×	8'-6"	×	42'-9"	=	363.38	Sft.
Staff room	=	1	×	21'-3"	×	9'-3"	=	196.56	Sft.
Computer lab and MD's Room	=	2	×	10'-0"	×	8'-0"	=	160.00	Sft.
Dado	=	1	×	102'-6"	×	0'-8"	=	68.33	Sft.
								<b>Total</b>	<b>= 788.27 Sft.</b>

73.23 Sqm. @ Rs. 1,285.34 = Rs. 94125.45

  
Asst. Engineer  
Bellaguntha Block



15 Providing , laying of kota stone in floor over C.M. (1:3) with neat white cement joint incl. cost of all labour , material ,T&P etc. all complete.

Finished product shed	=	1	×	28'-6"	×	43'-6"	=	1239.75	Sft.	
Raw material shed	=	1	×	28'-6"	×	53'-6"	=	1524.75	Sft.	
Cessing shed	=	1	×	48'-6"	×	89'-9"	=	4352.88	Sft.	
Cessing shed	=	1	×	27'-0"	×	8'-9"	=	236.25	Sft.	
							Total	=	7353.63	Sft.

683.15 Sqm. @ Rs. 1,080.34 = Rs. 738034.27

16 Providing , laying of chequered tile in floor over C.M. (1:3) with neat white cement joint incl. cost of all labour , material ,T&P etc. all complete.

Ramp	=	3	×	10'-0"	×	10'-0"	=	300.00	Sft.	
Steps	=	1	×	8'-0"	×	4'-0"	=	32.00	Sft.	
							Total	=	332.00	Sft.

30.84 Sqm. @ Rs. 897.34 = Rs. 27673.97

17 Providing , laying of ceramic tiles in floor over C.M. (1:3) with neat white cement joint incl. cost of all labour , material ,T&P etc. all complete.

Toilet	=	2	×	10'-0"	×	8'-0"	=	160.00	Sft.	
Toilet	=	1	×	6'-0"	×	9'-3"	=	55.50	Sft.	
Toilet	=	1	×	6'-0"	×	8'-6"	=	51.00	Sft.	
Toilet Wall	=	2	×	34'-0"	×	6'-0"	=	408.00	Sft.	
Toilet Wall	=	1	×	28'-6"	×	6'-0"	=	171.00	Sft.	
Toilet Wall	=	1	×	27'-0"	×	6'-0"	=	162.00	Sft.	
							Total	=	1007.50	Sft.

93.6 Sqm. @ Rs. 1,080.34 = Rs. 101119.82

18 Providing , supplying and fixing of G.C.I. /asbestos sgeet for roofing with all iron fixtures including cost of all labour , materials , T & P etc. all complete.

Cessing shed	=	1	×	100'-0"	×	54'-0"	=	5400.00	Sft.	
							Total	=	5400.00	Sft.

501.66 Sqm. @ Rs. 431.76 = Rs. 216596.72

19 Providing and fixing M.S. grills with shutter for door & window etc. complete.

Door D	=	3	×	3'-6"	×	7'-0"	=	73.50	Sft.	
Door D1	=	4	×	2'-3"	×	7'-0"	=	63.00	Sft.	
Door D2	=	1	×	4'-0"	×	7'-0"	=	28.00	Sft.	
Collapsible gate	=	1	×	8'-0"	×	9'-0"	=	72.00	Sft.	
Rolling shutter	=	2	×	8'-0"	×	9'-0"	=	144.00	Sft.	
Window W	=	6	×	4'-0"	×	4'-0"	=	96.00	Sft.	
Vent opening	=	0.5	×	48'-6"	×	1'-0"	=	24.25	Sft.	
Vent opening	=	1	×	60'-0"	×	1'-6"	=	90.00	Sft.	
Vent. Opening (Toilet)	=	4	×	2'-0"	×	1'-6"	=	12.00	Sft.	
Vent. opening (sky light)	=	22	×	2'-0"	×	1'-0"	=	44.00	Sft.	
							Total	=	646.75	Sft.
		@		5	kg/		Sft.	=	3233.75	Kg.

3233.75 Kg. @ Rs. 85.46 = Rs. 276356.28

20 Add for sanitary work with supplying of all reqd. sanitary items and water supply etc. for the toilet room etc.

1 No. @ Rs. 150,000.00 = Rs. 150000.00


21 Add for site development works in lumsump basis.(Cost will be given as per actual)

1 No. @ Rs. 130,500.00 = Rs. 130500.00

Total = Rs. 8800013.69

Or Limited to Rs.88,00,000/-

on request

  
Asst. Engineer  
Bellaguntha Block