

BENCH MARK ENGINEERING SOLUTIONS

level of quality...

INDUSTRIAL CONSULTANCY PROPOSAL

Date: 03.03.2022.

To
Avanathi Institute of Engineering and Technology,
Cherukupally,
Vizianagaram.

Dear Sir,

Sub: Looking for qualified team who can work for our organization's project.

I'm Mrs. J. Prema Latha, purchase manager at Bench Mark Engineering Solutions which is located at Visakhapatnam in Andhra Pradesh, India

Offering the ideal platform for creative thinkers to establish their products, we guarantee incredible opportunities for inventive concepts to grow. With the best infrastructure, technology, and system support in its class, the innovators have nothing to be worried about. In particular, we offer cutting-Edge facilities for conceptualizing your idea.

In addition to offering technical and infrastructure support, we also offer consultancy, product support, and help with product development. For aspiring entrepreneurs, our fund also acts as a catalyst to encourage the technological advancement. Therefore, if you have an idea, which you think is innovative then we are the right place where you can implement it.

We are looking for a team of qualified faculty members at your college in Civil Engineering who can work on designing, Modeling, Simulation, Drafting, of civil drawings in CAE, CAD-CAM platforms. If your college is interested to work in collaboration, we forward further documentation & I sincerely hope that we can keep the information confidential.

Looking forward & thank you,



Mrs. J. Prema Latha

Purchase Manager, BENCHMARK ENGINEERING SOLUTIONS





AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to J.N.T.U.-GV, Vizianagaram)

NAAC "B++" Accredited Institute

Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist) -531162.

www.aietta.ac.in, principal@aietta.ac.in

Cherukupally,
Date: 07.03.2022

From
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally (Village).

To
Purchase Manager,
Bench Mark Engineering Solution,
#48-14-109, 2nd Floor, beside the reliance jewelry,
Near Rama talkies road,
Visakhapatnam – 530013.

Respected sir,

Sub: Project Development- Acceptance reg.

It gives us great pleasure to let you know that the project proposal for "Preparation of Civil Drawings" had confirmed. As we discussed in our Telephonic conversations, we agreed to maintain the confidentiality of the Project. We appreciate you giving us the opportunity to work on your current project, which has to do with the most recent developments in the design sector.

Please be assured that we will make every effort to complete the project as quickly as we can.

Thanking You,

Copy to:
HOD of Civil




Principal

PRINCIPAL
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162



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Cherukupally,
Date: 07.03.2022.

From
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

To
Purchase Manager,
Bench Mark Engineering Solution,
#48-14-109, 2nd Floor, beside the reliance jewelry,
Near Rama talkies road,
Visakhapatnam – 530013.

Respected sir,

Sub: Project Development Team. I'm pleased to depute.

1. Mr. R. Venkatesh
2. Mr. I. Santhosh Kumar

It's for the necessary work.

Thanking You,


Principal

Copy to:
HOD of Civil



PRINCIPAL
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Cherukupally (V), Near Tagarapuvalasa Bridge
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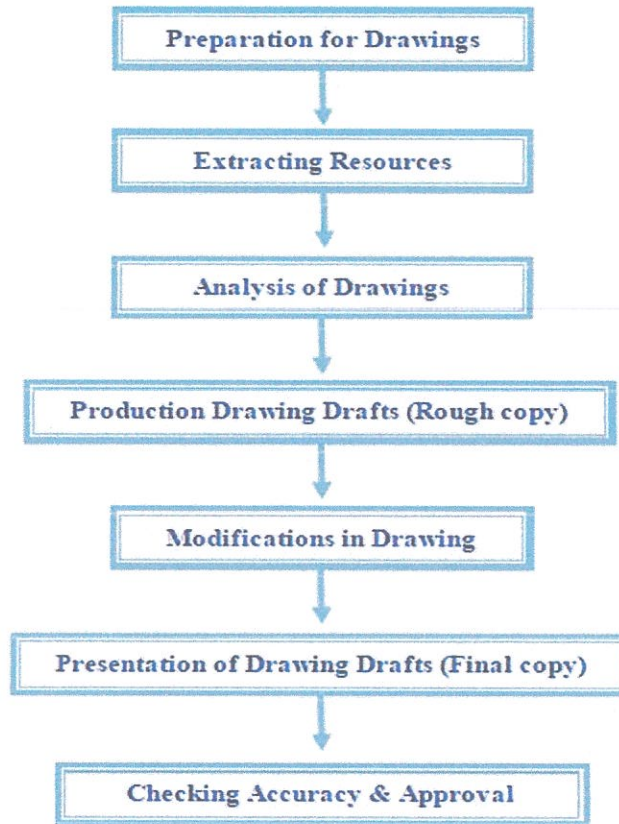
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FLOWCHART OF PROJECT PROCEDURE:



- Each of 200 drawings should go through the above structure.
- These are the different phases for which we can retrieve the process from any other phase to the other phases.

Procedure to be followed:

- By using survey data a layout will be designed.
- These layouts will be developed to computer aided 2D drawings using Auto CAD.
- Various locations like columns, sheds etc, had located in the 2D drawings.
- 3D drawings of these layouts will be further developed by Stack Pro.
- CAD Analysis also carried out using Stack Pro.





BENCH MARK
Engineering Solutions



BENCH MARK ENGINEERING SOLUTIONS

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WORK ORDER

WO NO: WO/BMES/2022-23/C02

Date: 1st Apr 2022
Visakhapatnam

To,
THE PRINCIPAL
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Cherukupally,
Bhogapuram Mandal,
Vizianagaram

Sub: Preparation of Civil drawings.

Further to your offer for Preparing of Civil drawings as per the our Telephone Discussion quotation, we are pleased to place the work order as below.

S.No	Description	Quantity in No. (drawings)	Unit Cost Rs.	Total Cost in Rs.
1.	Preparation of Civil drawings	200	1000	2,00,000.00

Rupees in words: Two Lakhs Only/-
Work Oder Valid : One Year (1st Apr 2022 to 31st Mar 2023)

TERMS & CONDITIONS :

- Preparation of detailed drawings based on the reference drawings provided by the customer.
- Taking physical dimensions for review and approval of our customer.
- Submission of drawings for review and approval of our customer.
- Incorporate any comments / feedback given by the customer in the drawings.
- Preparation of part drawings, assembly drawings, part list & Bill of materials for all the drawings.
- Preparation of as built drawings after completion of fabrication / Installation at site.

WORKING LOCATION :

- Your Premises.

For BENCHMARK ENGINEERING SOLUTIONS

J. Prerna Lakshmi
PURCHASE MANAGER





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Cherukupally,
Date: 14.02.2023.

From
The Principal,
Avanthi Institute of Engineering and Technology,
Cherukupally.

To
Purchase Manager,
Bench Mark Engineering Solution,
#48-14-109, 2nd Floor, beside the reliance jewelry,
Near Rama talkies road,
Visakhapatnam – 530013.

Respected Sir,

Sub: Project Completion---reg.


The project has been completed on 13.02.2023.

It has been a great achievement by us to complete this prestigious project on time. It has been a great privilege, working in association with you and looking forward to work with you in future projects. All the designs were verified by your engineer Mr. Dileep and approved. We request you to please come along with your team for collecting, retrieving of important and confidential data.

I am looking forward to a quick response from your side.

Thanking you,




Principal
PRINCIPAL
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapuvalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162



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Project Report: Preparation of Civil Drawings

1. INTRODUCTION

The project aims to prepare civil drawings for various sectors, including infrastructure, residential, commercial, and industrial. The primary objective is to create accurate and detailed drawings that serve as a blueprint for construction and development activities. The scope of work includes architectural, structural, electrical, and plumbing drawings, among others, to ensure comprehensive documentation for each project.

2. PROJECT SCOPE

2.1 Deliverables

The project deliverables include 200 sets of comprehensive civil drawings for each project, meeting the specific requirements of the respective projects. Each set shall include the following types of drawings:

1. **Architectural Drawings:** Plans, elevations, sections, and details of the buildings or structures, showcasing their layout and design elements.
2. **Structural Drawings:** Detailed plans, sections, and reinforcement detailing for foundations, columns, beams, slabs, and other structural components.
3. **Electrical Drawings:** Wiring layouts, power distribution plans, lighting arrangements, and other electrical system details.
4. **Plumbing Drawings:** Layouts for water supply, drainage, sewage, and plumbing fixtures.

2.2 Assumptions and Constraints

- The project will be completed within the specified timeframe of 12 months.
- Adequate skilled manpower and resources will be allocated to the project.
- All necessary data and information from the clients and stakeholders will be provided in a timely manner.
- Any changes or revisions requested by clients will be managed efficiently.

3. METHODOLOGY

3.1 Project Planning and Scheduling

A comprehensive project management plan will be developed, including a detailed schedule for



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each of the 200 projects. The scheduling will ensure efficient allocation of resources and timely completion of each set of civil drawings.

3.2 Data Collection and Analysis

The project team will collect all relevant data and information for each project, including architectural plans, specifications, site surveys, and engineering calculations. The collected data will be analysed to understand the unique requirements of each project.

3.3 Drafting and Design

Using Computer-Aided Design (CAD) software, the team will create initial drafts of the civil drawings. The architectural, structural, electrical, and plumbing drawings will be developed according to the specific project requirements.

3.4 Review and Approval Process

The initial drafts will undergo rigorous reviews by a team of experts to ensure accuracy and compliance with relevant codes and standards. Once approved, the final drawings will be prepared for each project.

3.5 Quality Control

A robust quality control process will be implemented to detect and rectify any errors or discrepancies in the drawings before final submission.

4. RESOURCE ALLOCATION

4.1 Human Resources

The project team will consist of the following members:

- Project Manager: Responsible for overall project coordination and management.
- Architects: To work on the architectural drawings and design elements.
- Structural Engineers: To create detailed structural drawings and reinforcement plans.
- Electrical Engineers: To develop electrical system layouts and plans.
- Plumbing Engineers: To prepare plumbing and drainage drawings.
- CAD Operators: To convert designs into digital drawings using CAD software.



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4.2 Technology and Tools

The project will utilize the latest versions of CAD software, which will streamline the drafting process and enhance productivity.

4.3 Budget

A budget estimate will be prepared, considering the costs of human resources, technology, tools, and other miscellaneous expenses.

S. No.	Description	Quantity in No. (Drawings)	Unit Cost in Rs.	Total Cost in Rs.
1	Preparation of Civil Drawings	200	1,000	Rs.2,00,000

5. RISK MANAGEMENT

A risk assessment will be conducted to identify potential risks and challenges throughout the project lifecycle. Mitigation strategies will be devised to minimize the impact of these risks on the project's progress and quality.

6. CONCLUSION

The "Preparation of Civil Drawings for 200 Projects" project is of paramount importance for the successful implementation of various construction and development ventures. The completion of this project will require a well-coordinated effort from the project team and adherence to the planned schedule and quality standards. The comprehensive civil drawings produced will act as a valuable resource for builders, architects, and engineers, ensuring that each project is executed efficiently and in compliance with the highest standards of safety and quality.

D. Venkatesh

Principal Investigator



M
Principal

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Bhogapuram (M), Vizianagaram (D)-531162



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UTILITY CERTIFICATE

We, the undersigned, are the principal investigator and co-investigators responsible for the project involving the preparation of civil drawings. We acknowledge that we have received a work order for preparing 200 civil drawings at a unit cost of INR 1000 per drawing, with a total cost of INR 2,00,000.00 (Two Lakhs Only).

We hereby confirm that the said work order corresponds to our requirements as stated in our telephone discussions and quotation submission earlier. We assure that the deliverables will be utilized for the intended purpose and align with the project's objectives.

Should you require any additional information or clarification regarding this work order or our project, please feel free to contact us.

Thank you for your attention, and we look forward to your continued partnership in future projects.

Sincerely,

Mr. R. Venkatesh

Principal Investigator

Mr. I. Santhosh Kumar

Co-Investigator

Department of Civil Engineering



INVOICE

DATE:
18-05-2023

INVOICE #
AIET/R&D/001

TO: Bench Mark Engineering
Solutions
#48-14-109, 2nd Floor,
Beside the Reliance jewelry,
Near Rama Talkies Road,
Visakhapatnam – 530013.

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	Preparation of Civil Drawings	2,00,000	2,00,000
		SUBTOTAL	2,00,000
		SALES TAX	0.00
		TOTAL	2,00,000

R&D HEAD SIGNATURE

R & D CO-ORDINATOR
AVANTHI INSTITUTE OF ENGG. & TECH.
Cherukupally (V), Near Tagarapavalasa Bridge
Bhogapuram (M), Vizianagaram (D)-531162



AVANTHI INST. OF ENGG & TECH.

Accounts Officer

AUTHORIZED SIGNATORY

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
CHERUKUPALLY (VILLAGE) | NEAR TAGARAPUVALASA BRIDGE | BHOGAPURAM (MANDAL) | VIZIANAGARAM-531162



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13-07-2023

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BHOGAPURAM MANDAL
MAIN ROAD
VIZIANAGARAM
ANDHRA PRADESH-INDIA
531162

Customer ID :879983002
IFSC Code :UTIB0000554
MICR Code :530211005
Nominee Registered : N

Registered Mobile No :XXXXXX5659
Registered Email ID:FXX@AVANTHI.EDU.IN
Scheme :PLATINUM TRUST ACCOUNT

PAN :AAATA3530B

Statement of Axis Account No :918010018259213 for the period (From : 16-08-2023 To : 16-08-2023)

Tran Date	Chq No	Particulars	Debit	Credit	Balance	Init. Br
		OPENING BALANCE			7213580.67	
16-08-2023		By Clg 708617 002 Vizag		200000.00	7413580.67	2568
16-08-2023		IFT/0114082323789/1	35000.00		7378580.67	554
16-08-2023		IFT/0114082311687/2	9075.00		7369505.67	554
16-08-2023		NEFT/0131072319958/17	285242.00		7084263.67	554
16-08-2023		NEFT/0114082311647/7	356410.00		6727853.67	554
16-08-2023		REV/918010018259213		35000.00	6762853.67	554
16-08-2023		RTGS/SBINR52023081666676235/THE PRINCIPAL AVANTHI		350000.00	7112853.67	248
16-08-2023		RTGS/SBINR52023081666677072/PRINCIPAL AVANTHI ENG		1200000.00	8312853.67	248
16-08-2023		NEFT/011608231788/184	3794883.00		4517970.67	554
16-08-2023		NEFT/0114082323440/1	31000.00		4486970.67	554
16-08-2023		IFT/0114082331037/44	1068957.00		3418013.67	554
16-08-2023		AVANTHI INST OF ENG & TECH - 01 14.08 to 15.08.23		311375.00	3729388.67	274
		TRANSACTION TOTAL	5580567.00	2096375.00		
		CLOSING BALANCE			3729388.67	

Unless the constituent notifies the bank immediately of any discrepancy found by him/her in this statement of Account, it will be taken that he/she has found the account correct.

The closing balance as shown/displayed includes not only the credit balance and / or overdraft limit, but also funds which are under clearing. It excludes the amount marked as lien, if any. Hence the closing balance displayed may not be the effective available balance. For any further clarifications, please contact the Branch.

We would like to reiterate that, as a policy, Axis Bank does not ask you to part with/disclose/revalidate of your iConnect password, login id and debit card number through emails OR phone call Further, we would like to reiterate that Axis Bank shall not be liable for any losses arising from you sharing/disclosing of your login id, password and debit card number to anyone. Please co-operate by forwarding all such suspicious/spam emails, if received by you, to customer.service@axisbank.com

With effect from 1st August 2016, the replacement charges for Debit card and ATM card applicable on Current accounts have been revised. To know more about the applicable charges, please visit www.axisbank.com

Deposit Insurance and Credit Guarantee Corporation (DICGC) insurance cover is applicable in all Banks' deposits, such as savings, current, fixed, recurring etc* up to maximum amount of Rs 5 Lakh including principal & interest both* (* or exceptions and details please refer www.dicgc.org.in)

AVANTHI INST. OF ENGG & TECH.,

Accounts Officer