



SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 3

RESEARCH, INNOVATION & EXTENSIONS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING



Criteria3

Research, Innovations and Extension

110

Key Indicator-3.1 Resource Mobilization for Research

3.1.1. Endowments in the institution during the last five years (INR in Lakhs)

SUPPORTING DOCUMENTS for Endowment

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KMC INFRASTRUCTURE

166, Gandhiji street, Erode, Tamilnadu-648002

EMAIL:kmcinfra12@gmail.com™ PHONE NUMBER:7896435609

Date:11.04.2023

TO

The Principal,
Sasurie College of Engineering,
Vijayamangalam – 638 056.

Respected Sir/Madam,

Sub: On recipient of Institution Brochure and subsequent enquiry-Reg

We have been provided with a brochure of your institution consultancy work. In this regard, we would like to discuss the possibility of providing project for” Design and fabrication of hydraulic lift Scissors” with your consultancy team. We are interested to know the related expenditure.

Thanks and Regards

Chandra - K.M

Managing Director

Chandrasekar K.M

KMC Infrastructure
Ltd,
Erode



M.V.
Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL

SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Erode (Dt).

Date: 17.04.2023

To

Managing Director,
KMC Infrastructure
166, Gandhiji Street,
Erode, Tamilnadu-648002.

Respected Sir,

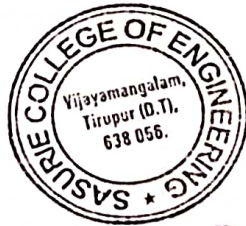
Sub: Quotation for Design and fabrication of hydraulic lift Scissors - Reg.

We are pleased to submit the official quotation for your consideration after our previous discussion on Design and fabrication of hydraulic lift Scissors. We are looking for your kind consideration and reply.

Design and fabrication of hydraulic lift Scissors

Sl.No	Particulars	Quantity	Rate	Amount in Rupees
1	Design and fabrication of hydraulic lift Scissors	20	4250	85000
Total Payable				85000
IN WORDS : EIGHTY FIVE THOUSAND ONLY				

Thanking You



With warm Regards

PRINCIPAL

SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL

SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).



KMC INFRASTRUCTURE

166, Gandhiji street, Erode, Tamilnadu-648002

EMAIL:kmcinfra12@gmail.com PHONE NUMBER:7896435609

SANCTION LETTER

Date: 21.04.2023

To

The Principal,

Sasurie College of Engineering,

Vijayamangalam – 638 056.

Dear Sir/Madam,

With reference to the letter dated 17.04.2024, we are pleased to inform you that we have accepted your proposal for developing the "Design and fabrication of hydraulic lift Scissors" as outlined in the quotation, We have authorized a total budget of Rs. 85000 for the product. It is essential that this work is completed within the agreed-upon timeframe of 20 days.

Thanks and Regards

Chandrasekar K.M

Managing Director

Chandrasekar K.M

KMC Infrastructure
Ltd,
Erode

We

Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Date: 15.05.2023

To

Managing Director,
KMC Infrastructure
166, Gandhiji Street,
Erode, Tamilnadu-648002.

Respected Sir/Madam,

Sub: Submission of project consultancy work quotation - Reg.

Greetings from Sasurie College Engineering !

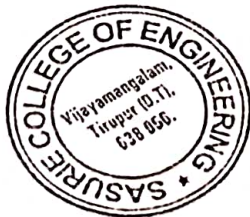
In response to your letter dated on 21.04.2023, regarding the supply Design and fabrication of hydraulic lift Scissors” and following our detailed discussions. We are pleased to present the official quotation for your review and response.

FINANCIAL DETAILS:

S.No	Particulars	Quantity	Rate per unit	Total Unit
1	Design and fabrication of hydraulic lift Scissors	20	4250	85000

Thanking You,

With warm Regards



PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).



Dr. M. VIJAYARAJ M.E., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT CONSULTANCY WORK REPORT

DESIGN AND FABRICATION OF HYDRALIC LIFT SCISSORS

SUBMITTED TO

Managing Director,
KMC Infrastructure
166, Gandhiji Street,
Erode, Tamilnadu-648002.

DELIVERY DATE:15.05.2023



Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL



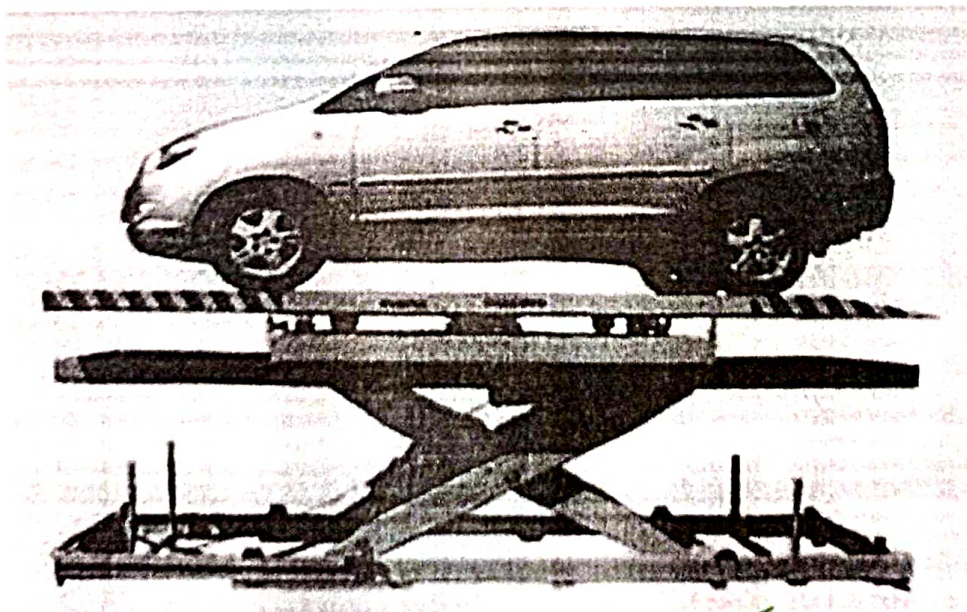
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

CONSULTANCY PROJECT REPORT

OBJECTIVE:

A hydraulic pallet lift is a mechanical device used for various applications for lifting of the loads to a height or level. A lift table is defined as a scissor lift used to stack, raise or lower, convey and/or transfer material between two or more elevations. The main objective of the devices used for lifting purposes is to make the table adjustable to a desired height. A scissor lift provides most economic dependable & versatile methods of lifting loads; it has few moving parts which may only require lubrication. This lift table raises load smoothly to any desired height. The scissor lift can be used in combination with any of applications such as pneumatic, hydraulic, mechanical, etc. Lift tables may incorporate rotating platforms (manual or powered); tilt platforms, etc, as a part of the design. Scissor lift design is used because of its ergonomics as compared to other heavy lifting devices available in the market. The frame is very sturdy & strong enough with increase in structural integrity. A multiple height scissor lift is made up of two or more leg sets. As per the discussion with the concern person of DS Engineering, Pune, It is found that they are facing some problems regarding hydraulic scissor lift like job to be lifted are heavier which causes more deformations in hydraulic lift frame checking deformations & stresses induced in it is a major objective of this project. It is also found that weight of the present lift is high weight optimization is also prime objective of this project. As loading & unloading is repeated there may be chances of fatigue failure, to check the life of lift. Design & Analysis of the Hydraulic lift that should with stand maximum load without failure in working conditions. To check vibration of hydraulic lift during working time by modal analysis.

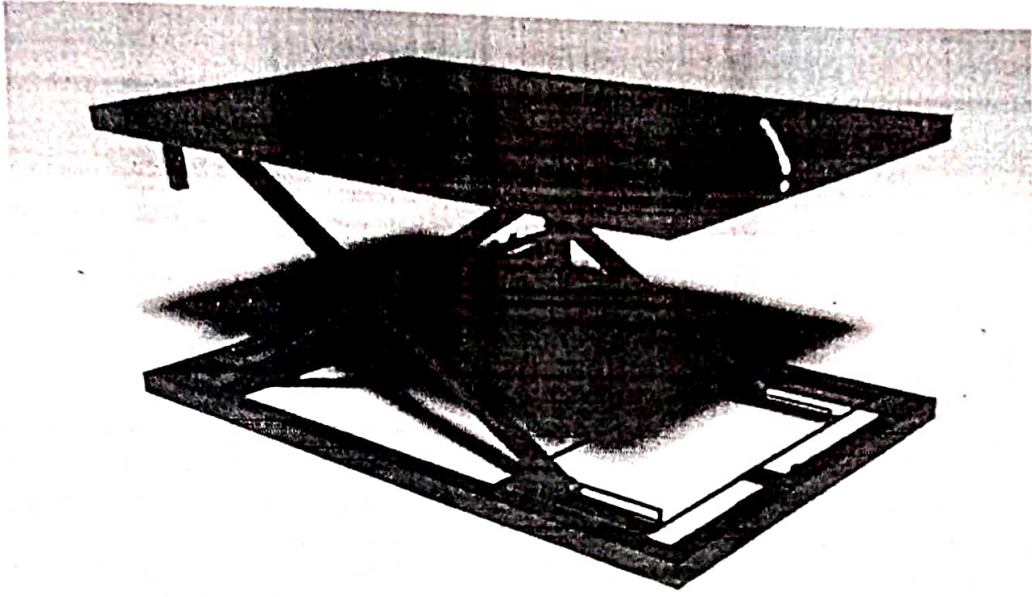
SCREENSHOTS:



Uma
Dr. M. V. JAYAKUMAR ME., Ph.D.,
PRINCIPAL





SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).



S. A. Murali
PROJECT INVESTIGATOR

me
PRINCIPAL

 PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

me
Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
 SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

Date : 17.05.2023



UTILIZATION CERTIFICATE

Certified that the amount of rupees Rs. ₹5000 (Eighty five Thousand only) was sanctioned by KMC Infrastructure Ltd, Erode during the academic year (2022-2023), in favour of Department of Mechanical Engineering, Sasurie College of Engineering, has been fully utilized for developing Design and fabrication of hydraulic lift Scissors. The purpose of amount sanctioned has been fulfilled and delivered as per conditions of grant were satisfied


PROJECT INVESTIGATOR


PRINCIPAL

 PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).


Dr. M. VIJAYAKUMAR M.E., Ph.D.,
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 SASURIE COLLEGE OF ENGINEERING,
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