

H.C. Gupta Educational Society (Regd.)

Regd. Office :- 6/842, MEHRAULI, NEW DELHI - 110030

Ref. No. : C.P./H.GES/782

Date : 20/2/23

To,

Dr. Kaushal Kumar
Associate Professor
K.R. Mangalam University
Gurugram, Haryana

Subject: Consultancy Services for Skill enhancement for Sustainable Infrastructure Development.

Dear Dr. Kaushal,

With great pleasure, we would like to notify you that you have been shortlisted for the consulting project "Skill enhancement for sustainable infrastructure development in educational societies" We carefully evaluated your experience and knowledge to maintain sustainable growth of organization. To ensure the successful execution of the consultancy for employees and organizational skill enhancement, our organization has accepted the project and committed to paying a consultancy fee of Rs. 45,00,000/- (Rs. Forty-Five Lakhs Only).

Regards,

Rakesh

H C Gupta Educational Society
Authorised Signatory

[Signature]
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K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

Proposal

Dr Kaushal

To → M.C. Gupta Educational
Society

Skill enhancement for sustainable infrastructure development in educational societies: Consultancy Project

Project Overview

In today's rapidly evolving world, the integration of innovative technologies is crucial for educational societies to stay competitive and provide high-quality learning environments. This consultancy project aims to assist educational institutions in identifying and implementing cutting-edge technologies to enhance their infrastructure in terms of green and innovative buildings construction methods. The project will focus on assessing current infrastructure, identifying technological opportunities, and creating a roadmap for technology integration.

Programme Objective:

Innovative technology for infrastructure development in educational society's consultancy Programme is designed to give participants

- Identification of Innovative Technologies
- Cost-Benefit Analysis
- Training and Capacity Building
- Monitoring and Evaluation.


Target Participants:

Contractors / Architectures / Building Inspectors / Sanitization Workers / Labors etc.

Outcome:

After the success completion, the participant would be able to:

- Prepare the cost effective raw materials
- Prepare green buildings
- Install new and latest innovative technique for construction etc.
- Know about Govt. schemes regarding utilization of raw materials



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- Understand the need of authorities permission, legal docs etc.
- Check quality assessment based on testing and inspection


Budget

Particulars		Total Amount
Trainer's fees (Rs.15,000 * 20 sessions)	Rs.3,00,000	15,00,000
Total Trainer	5	
Purchase of Raw Materials or consumables	2,50,000	2,50,000
System (5)		1,50,000
Refreshments (Rs.10000 * 20 session)		2,00,000
Logistics		6,22,400
Machinery/Apparatus		17,77,600
	Total Amount	45,00,000

Sr. No.	Equipment/ Software	Description	Estimated Cost (Rs.)
1	Universal testing Machine	Measures the mechanical properties of materials like tensile and compressive strength. Used in material testing labs.	250000
2	ETABS, Staad Pro, AutoCAD (Software's)	ETABS and Staad Pro are structural analysis and design software, while AutoCAD is a drafting and design software used in architecture and	635000


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		engineering.	
3	Vicat Apparatus	Determines the consistency and setting time of cement.	1800
4	Blaine Air Permeability Apparatus	Measures the fineness of cement particles.	3000
5	Autoclave	Tests the soundness of cement by subjecting it to steam pressure. Used in cement testing.	35000
6	Tensile Strength Testing Machine	Measures the tensile strength of materials like concrete or steel.	92000
7	Atterberg Limits Apparatus	Determines the liquid and plastic limits of soil.	3000
8	Triaxial Testing Machine	Measures the strength and deformation characteristics of soil or rock samples.	75000
9	CBR (California Bearing Ratio) Apparatus	Evaluates the strength of soil for pavement design.	50000
10	Permeability Testing Apparatus	Measures the permeability of soil or concrete.	22000
11	Concrete Mixer	Mixes concrete ingredients to prepare concrete.	175000
12	Slump Cone Test Apparatus	Measures the workability or consistency of fresh concrete.	1500
13	COD test	Analyzes the amount of organic pollutants in water.	17000
14	BOD Test	Measures the level of biodegradable organic matter in water.	32500


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15	pH meter	Measures the acidity or alkalinity of a liquid, including water.	3000
16	Total station	Surveying instrument for measuring angles and distances with high precision.	360000
17	GPS Receivers	Collects precise location data using Global Positioning System technology.	1800
18	Dumpy level	Optical instrument for measuring and setting horizontal levels in surveying and construction.	20000
Total:			1777600

Time Duration (Saturday/ Sunday only)

Session	Topic	Timings
Session 1	Design of building by using software such as ETABS, Staad Pro, AutoCad	9:00 am - 2:00pm
Session 2	Design of building by using software such as ETABS, Staad Pro, AutoCad	9:00 am - 2:00pm
Session 3	Design of building by using software such as ETABS, Staad Pro, AutoCad	9:00 am - 2:00pm
Session 4	Design of building by using software such as ETABS, Staad Pro, AutoCad	9:00 am - 2:00pm
Session 5	Testing of bricks	9:00 am - 2:00pm
Session 6	Testing of cement	9:00 am - 2:00pm
Session 7	Testing of soil	9:00 am - 2:00pm
Session 8	Testing of concrete	9:00 am - 2:00pm


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Session 9	Testing of water supply	9:00 am - 2:00pm
Session 10	Testing of sewage installation	9:00 am - 2:00pm
Session 11	Contour Surveying	9:00 am - 2:00pm
Session 12	Cross Sectional Profile Surveying	9:00 am - 2:00pm
Session 13	Foundation layout Surveying	9:00 am - 2:00pm
Session 14	Curing of specimen	9:00 am - 2:00pm
Session 15	Hands on Training on sustainable concrete and their strength testing	9:00 am - 2:00pm
Session 16	Hands on Training on sustainable concrete and their strength testing	9:00 am - 2:00pm
Session 17	Hands on Training on sustainable concrete and their strength testing	9:00 am - 2:00pm
Session 18	Introduction of replacement materials in concrete/ sand/ cement etc.	9:00 am - 2:00pm
Session 19	Physical characterizations of construction materials	9:00 am - 2:00pm
Session 20	Arch Testing Precautions and Questionnaire	9:00 am - 2:00pm

Conclusion:

This consultancy project aims to empower educational societies with innovative technology solutions, enabling them to provide a modern, effective, and competitive learning environment. By integrating these technologies strategically, educational societies can better prepare students for the challenges of the future while maintaining operational efficiency and security.

Trainer and Coordinator:

Dr. Kaushal Kumar
 Dr. Sushil Kumar Azad
 Dr. Shweta Bansal
 Mr. Rishab Arora
 Mr. Rupesh Kumar Tipu


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 K.R. Mangalam University
 Sohna Road, Gurugram, (Haryana)



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

To

H. C. Gupta Educational Society (Regd.)
6/842 Main Bazar Mehrauli

Invoice No. : 12/Feb/2022-23

Date : 28/02/2023

Delhi-110030

Bill for Consultancy Services

Particulars	Amount(Rs.)
Invoice for Skill enhancement for sustainable infrastructure development in educational societies	45,00,000
Net Amount Payable	45,00,000

(Rupees Forty-Five Lac Only)

Please make the payment of the invoice by NEFT/RTGS/IMPS as per Bank Details

Beneficiary Name : K.R. Mangalam University

A/C No : 091101000622

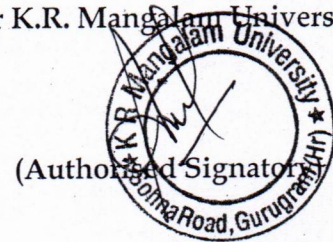
IFSC Code : ICIC0000911

Bank : ICICI Bank Ltd.

Branch : Sohna Bus Stand , Gurgaon

PAN : AAJCS3143G

For K.R. Mangalam University



Jm
Registrar
K.R. Mangalam University
Sohna Road, Gurugram, (Haryana)

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