***RESEARCH AND TECHNOLOGY DEVELOPMENT PROPOSALS ON TRANSPORTATION ENGINEERING UNDER***

***TRANSPORTATION ENGINEERING RESEARCH CENTRE (TRC-year)***

Broad area (tick the relevant one)

|  |  |
| --- | --- |
| Broad area | Mark(√) |
| Pavement materials and characterization |  |
| Pavement engineering |  |
| Traffic and transportation engineering |  |
| Transportation planning and economics |  |

Title of the project

**CONTENTS**

|  |  |  |
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| **S. No** | **ITEMS** | **Page No(s)** |
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| I | Executive Summary |  |
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| II | Core Proposal |  |
|  |  |  |
| III | Budget |  |
|  |  |  |

1. **EXECUTIVE SUMMARY**

|  |  |  |
| --- | --- | --- |
| 1 | Project title |  |
|
|
|
| 2 | Project cost (Amount in lakhs) |  |
| 3 | Duration *(in months)* |  |
| 4 | PI Name |  |
| Date of Birth |  |
| 5 | Co-PI (s) Name |  |
| Date of Birth |  |
| 6 | Lead Organization |  |
| 7 | Status of Lead Organization |  |
|
| 8 | Collaborator/consortium partner name(s) if any | - |
| 9 | Collaborator/consortium partners status | - |
| 10 | Contact information with affiliation for foreign partners, if any |  |
| 11 | Objectives |  |
| 12 | Methodology |  |
| 13 | Deliverables |  |

**2. Budget details:**

|  |  |  |
| --- | --- | --- |
| A. | Project Manpower |  |
| B | List of Equipments required |  |

**14. Funds requirements from TRC (For I st year)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No** | |  | **Item Head** | |  |  |  | **1st Year** | **2nd Year** |  | **Total (Rs.)** |  |
|  | |  |  | | | |  |  |  |  |  |  |
| **A** | |  | **Non-recurring (Capital Items)** | | | | |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |
| 1 |  |  | Permanent Equipment’s | | |  |  |  |  |  |  |  |
|  |  |  |  |  | | |  |  |  |  |  |  |
|  |  |  | *Subtotal (capital items)* | | |  |  |  |  |  |  |  |
|  | |  |  | | | |  |  |  |  |  |  |
| **B** | |  | **Recurring Items (General)** | | | | |  |  |  |  |  |
|  |  |  |  | |  |  |  |  |  |  |  |  |
| 1. |  |  | Manpower | |  |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |
| 2. |  |  | Consumables | | |  |  |  |  |  |  |  |
|  |  |  |  | | |  |  |  |  |  |  |  |
| 3 |  |  | Contingencies | |  |  |  |  |  |  |  |  |
| 4. |  |  | Travel | |  |  |  |  |  |  |  |  |
|  |  |  |  | | | |  |  |  |  |  |  |
| 5. |  |  | Other Costs ( Outsource work | | | |  |  |  |  |  |  |
|  |  |  | etc.),if any | |  |  |  |  |  |  |  |  |
|  |  |  | *Subtotal (General)* | | |  |  |  |  |  |  |  |
|  | |  |  | | | |  |  |  |  |  |  |
| **C** | |  | **Total cost of the project (A+B)** | | | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **Total requirement of funds from TRC =**
2. **Contribution of participating institution(s), if any=**

**Total project cost (A+B) =**

**II. CORE PROPOSAL**

1. **Project Title :**
2. **a) Lead Principal Investigator (PI)\***

Name :

Designation :

Mobile No. :

E-mail :

***b****)* **Co- Investigator :**

Name :

Designation :

Mobile No. :

E-mail :

1. **Target Beneficiaries :**
2. **Objectives of the Proposal**

**5. Critical Review of Status Identifying Gaps**

**Status Review**

**Summary of literature review**

1. **Novelty / uniqueness of the Proposal**
2. **Outline of the Project**
3. **Deliverables of the project**
4. **Methodology**
5. **Work Plan**
6. **Facilities and Infrastructure already available to the PI(s) at their Institute for implementing the project***.*

|  |  |  |
| --- | --- | --- |
| **S.no** | **Equipment Name / Funding Source** | **For which purpose it would be** |
|  |  | **utilized in current project** |
| 1 |  |  |

1. **BUDGET ESTIMATES**

|  |  |
| --- | --- |
| **Break-up of Total Budget** |  |
| **I. Funds requirement from TRC.** | **(All amounts in lakhs)** |

|  |  |  |
| --- | --- | --- |
| **Name of Research Centre** | Capital Items (A), | Other items(B) |
| Non-recurring(Rs.) | Recurring head (Rs.) |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
|  | Total cost = |  |

**BUDGET**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the Institute: College of Engineering, Trivandrum.** | | | | |  |
| **a)** | **TRC Support** |  |  |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Item Head** | **1st Year** | **2nd Year** | **Total** |
| **A** | **Non-recurring (Capital Items)** |  | | |
| 1 | Permanent Equipment |  |  |  |
|  | *Subtotal (capital items)* |  |  |  |
| **B** | **Recurring Items (General)** |  |  |  |
| 1 | Man Power |  |  |  |
| 2 | Consumables |  |  |  |
| 3 | Contingencies |  |  |  |
| 4 | Travel |  |  |  |
| 5 | Other Costs ( Outsource work etc if any) |  |  |  |
| 6 | Over head |  |  |  |
| 7 | Sub Total(General) |  |  |  |
| **C** | **Total cost of the project (A+B)** |  |  |  |

**Details of Itemized Budget**

**Name of the Institute: College of Engineering, Trivandrum.**

**A. Non-recurring (Capital Items)**

**A1. Equipment\***

**Budget for Permanent Equipment (**To be borne by TRC**)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Description of Equipment** | **Unit Landed Price(CIF+ Custom Duty/Taxes + others charges etc )\* ( Rs.in lakh )** | **Nos. of Equipment** | **Total Cost** | **Justification in context of proposed work** |
|  |  |  |  |  |
|  |  |  | | |

1. **Recurring Items (General)**

**B1. Manpower**

|  |  |  |  |
| --- | --- | --- | --- |
| **Designation\*** | **Educational** | **Experience** | **Justification** |
|  | **Qualification** | **in years, if** |  |
|  |  | **applicable** |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Gross amount | |  |

**Manpower Budget**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Total Emoluments (in Rupees)** | | | |  | **(Inclusive of all** |  |
| **Designation** | |  |  |  |  | **No. of** | **Allowances )** |  |
| 1st Year | 2ndYear | 3rdYear | Total (1st |  |
|  | |  |  |  | +2nd+3rd | **persons** | **Total** |  |
|  | |  |  |  | Years) |  | **Amount** |  |
|  | |  |  |  |  |  | **(Rs.)** |  |
|  | |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |
|  | | Gross amount required | | | | |  |  |
|  |

**B2. Consumables**

**Budget for Consumable Materials**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Items | Unit price | Quantity needed | Amount | Justification |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Gross total= | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **B3. Contingencies** |  |  |  |  |  |  |
| **Budget for Contingencies** | | | | | | |

|  |  |  |
| --- | --- | --- |
| Items | Amount | Justification |
|  |  |  |
|  |  |  |
| Gross total= | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **B4. Domestic Travel\*** |  |  |  |  |  |  |
| **Budget for Domestic Travel** | | | | | | |

|  |  |  |
| --- | --- | --- |
| Items(to attend) | Total amount | Detailed Justification |
|  |  |  |
| Total |  |  |