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**MANAGEMENT INFORMATION SYSTEM (MIS)
FOR
CONSULTANTS**

**Engaged in
Road Construction / Rehabilitation Work
in Sri Lanka**

A. K. Herath



University of Moratuwa, Sri Lanka.
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Project Report Submitted in Partial

**Fulfillment of the Degree
Master of Engineering in
Construction Management**

**Supervised by
Dr. A.A.D.A.J.Perera**

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**DECEMBER, 1994
DEPARTMENT OF CIVIL ENGINEERING
UNIVERSITY OF MORATUWA
SRI LANKA**



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**CONSTRUCTION & STRUCTURAL
ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
UNIVERSITY OF MORATUWA.**

ABSTRACT

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The construction of roads has become a major construction industry in the country from early eighties. Huge sums of money is being spent on Construction / Rehabilitation of roads. The Consultative work, ie Feasibility Studies, Construction Supervision, etc. is done by foreign companies jointly with local companies, who take the contract from the RDA. This exercise is to identify the Management Information System (MIS) adopt by them and the problems they encounter in order to develop a suitable MIS.

Management of information by integrating various technologies to help the managers in making decisions has become popular in the present day world. Initial stages, the MIS were developed in the fields of marketing, manufacturing and production. This can be extended to the Consultative work of the road construction industry too. With the advancement of the computer hardware and software, computer based MIS help the Consultants to achieve their tasks effectively.



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Information collected from the individual engineers and the project reports produced by Consultants for six large road projects in Sri Lanka were analyzed in this document.

The results obtained indicate that a computer based MIS can be developed for the Consultants engaged in road construction/rehabilitation works in Sri Lanka and the Road Development Authority (RDA) has sufficient institutional capacity to provide information required by the Consultants.

This study leads to further research on detail design of the MIS and it's sub-systems.

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ABBREVIATIONS

ADB	-	Asian Development Bank
BOQ	-	Bill of Quantities
CEB	-	Ceylon Electricity Board
CES	-	Consulting Engineering Services (India) Pvt. Ltd., India
CM & C	-	Contract Management and Contracts
CPU	-	Central Processing Unit
DHV	-	Dwars, Heederik and Verhey (DHV Consultants BV), Netherland
ICB	-	International Competitive Bidding
MC	-	Municipal Council
MD	-	Meteology Department
MIS	-	Management Information System
NR	-	Not Responded
NWS & DB	-	National Water Supply and Drainage Board
O	-	Objected
QCN	-	Questionnaire Code Number
RDA	-	Road Development Authority
RDC	-	Resources Development Consultants Ltd.,
RIF	-	Responded in Favour
RMV	-	Registrar of Motor Vehicles
SD	-	Survey Department
SLTSPS	-	Sri Lanka Transport Structure Plan Study
SWKP	-	Scott Wilson Kirkpatrick and Partners, UK
TD	-	Telecommunication Department
TS	-	Total Surveyed
TSP	-	Transport Structure Plan
UDA	-	Urban Development Authority
VC	-	Village Council
VOC	-	Vehicle Operating Cost

