PROJECT COMPLETION REPORT FOR RPS PROGRAMMES

(Please include sufficient details in sections 8-10 so as to facilitate proper evaluation of your project.)

File No.

· 8023/BOR/RID/RPS-40/2008-09

(as mentioned in sanction letter)

Date of Sanction

: 06.01.2008

Subject Area

: Electronics and Communication and related subjects

1. Principal Investigator

: DR. PARTHA PRATIM SAHU

(Name & address)

Professor

Dept. of Electronics & Comm. Engg.

School of Engineering, rezput University

Napaam, Tezpur, Assam

Pin - 784028

2. Project Title

: Design and Implementation of

Multichannel Frequency Hopping Spread

Spectrum Signaling for Wireless Communication Applications

Total Cost of the Project

: ` 12.60 Lakhs only

4. Date of Commencement of the Project

: 16.03.09.

5. Duration of the Project

: 2 (Two) years.

6. Date of Completion

: 23-09-2011

7. Objectives of the Project

The peneral objectives of the proposed work are -

Step1: 10 design and simulate with channel hequency hopping spread spectrum transmitter consisting of multiplexer, PN sequence generator, High frequency Voltage controlled oscillator etc.

Step 2: To design multi channel frequency hopping Spread spectrum receiver consisting of Frequency to voltage converter, ADC, PISO, Correlator, Decoder etc.

Step 3: To implement at PCB level and performance analysis of the above circuits and systems developed.

8. Salient Research Achievements

8.1 New Findings/Achievements/IPR Potential

: N/A

8.2 Product/Process Developed

: N/A

8.3 Patent(s) Applied for/Taken, if any

: N/A

8.4 B. Tech. Project / M. Tech Thesis /

Ph.D., if any Consultancy

Level	Qnty.			
M. Tech. Thesis	Three completed			
Ph. D	Two Registration			
	(One thesis will be			
*	submit recently)			

9. Conclusions Summarizing the Achievements Indicating the Scope for Future Work.

Please see the Appendix-I

10. List of Publications Arising from the Project (please give Author (s), Title, Journal and Year) :

Please see the Appendix-II

Dated:

Principal Investigator

Professor & Head

Application of Electronics & Community

Townstructure University

Pogistran/Directon/P.i.icipal (Signature & Seal)

(Investigators may please note that sections 8-10 of the report will serve as essential inputs for experts to judge the success of the project. These must therefore be included in sufficient detail.)

AUDITED UTILISATION CERTIFICATE

Certified that out of Rs. 12,60,000.00 (Rupees Twelve Lakh Sixty Thousand) of Grant-in-aid sanctioned during the year 2009-2011 sanction letter no. 8023/BOR/RID/RPS-40/2008-09 dated 06-01-2008 Rs. 12,59,787.00 (Rupees Twelve Lakh Fifty Nine Thousand Seven Hundred Eighty Seven) only has been utilized for the purpose of recurring and non-recurring heads for which it was sanctioned and the balance of Rs. 213.00 (Rupees Two Hundred Thirteen only) remaining unutilized at the end of the year has been surrendered to All India Council For Technical Education (vide DD No. 456949 dated 18-11-2011).

Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.

Finance Officer

(Signature and Seal)

Principal Investigator

(Signature and Seab) Head Att. line of a Electronics & Comm. Engl Tezfur University

Dated:

Registrar/Principal/Director (Signature and Seal)

> Chartered Accountant (Signature and Seal)

EXPENDITURE STATEMENT

Sanction Letter No.

: 8023/BOR/RID/RPS-40/2008-09

Date of Sanction

: 06-01-2008

Project Name

: Design and Implementation of Multichannel Frequency Hopping

Spread Spectrum Signaling for Wireless Communication

Applications

A. NON-RECURRING

	SI.	Name of the	Amount	Amount Utilized (Rs.)			Total Expenditure	Unspent Balance
	~	equipment procured	(Rs.)	2009-2010	2010-2011	2011-2012	(Rs.)	(Rs.)
Ì	01	Microwave office	Sanctioned	5,20,000.00	2,39,787.00	4,40,000.00	11,99,787.00	213.00
	02	Spectrum analyzer						
	03	Bit error rate						
		measurement set up						

B. RECURRING

SI.	Name of the equipment procured	Amount Sanctioned (Rs.)	Amount Utilized (Rs.)			Total Expenditure	Unspent Balance
No			2009-2010	2010-2011	2011-2012	(Rs.)	(Rs.)
۸.	disc						-
02	512 MB DDR1 RAM						
03	Key pad					*	
04	Membership Renewal						
	fees (OSA)						
05	Cartridge (ML 2151)						
06	Consumable/						
	components	60,000.00	9,462.00	39,593.00	10,945.00	60,000.00	0.00
07	IEEE Membership	00,000.00	7,102.00				
08	Components						
09	Tender Call in					•	
	newspaper	1					
10	Printer Cartridge				·		
11	Xerrox						
12	Membership Renewal						
	fees (OSA)						
13	Stationary Consumable					L	

Finance Officer (Signature & Seal)

Registrar (Signature & Seal)

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