Project Details: NAeG/14-15/00113

Project id -	NAeG/14-15/00113
Name of The Project	New Metering Technologies (IR RF AMR) for Energy Meters in MSEDCL
Category of Award Applying for	Innovative Use of ICT by State Government PSUs/ Cooperatives/Federations/Societies
Date of Launch	31-01-2013
Summary/Objective of the project	MSEDCL is a large organization having consumer base of 2.1 crores consumers throughout Maharashtra. MSEDCL intends to improve its metering system for effective billing and increase revenue realization. It has taken the initiative of implementing New Metering Technologies initially on Pilot basis and later on, with suitable modifications, large scale implementation. Automatic Meter Reading (AMR), meter data acquisition is done at centralized location via GSM & GPRS modems installed at metering endpoints. To complement the manual meter reading process, MSEDCL has also introduced Meter reading through Infra-Red (IR) technology for rural areas and Radio Frequency (RF) technology for urban areas. MSEDCL is in the process of integrating these IR/RF technologies with AMR system, thus building a comprehensive, transparent, system based, truly automatic metering reading system without any scope of manual intervention. For this, MSEDCL has In-house developed its own protocol for IR meters and customized open Protocol for RF meters for achieving interoperable, cost-effective and enterprise wide Metering system. MSEDCLs objective is to remove manual intervention for bringing accuracy, transparency and efficiency and detection of metering abnormalities (Tamper events) and network faults. Also Monitoring and profiling energy consumption of key consumers is also established.
Beneficiary of the project	MSEDCL Consumers: - Accurate meter reading hence no grievances. - Consumer receives bills on regular interval - No burden on consumers (higher tariff slab) as delay in reading cycles is reduced MSEDCL Employees : - Manual efforts significantly reduced - Accuracy of Meter Readings has improved efficiency - Online Theft & Tamper detection - Load Profiling of key Organization: - Distribution Loss Reduction - Increases/faster Revenue Realization - Consumer satisfaction and reduction in complaints - Transparent system - More focus to core activities as employees are relieved from manual meter reading. - Manpower reduction - Expenses on meter reading reduced
Details of Project Head	
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Designation(4th team member)	System Analyst
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Designation(5th team member)	Programmer
Name(6th team member)	Kishor Bagul
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Supporting documents:-	Award Specific Form
	Award Specific Form

Self Certification by the Project Head

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