

# **AUTOMATION, COMMUNICATION & INNOVATIONS ,CO, AIROLI**

**Project for Procurement of Interface  
Energy Meters  
(5 min /15 min. time block)  
and Establishment of Automated  
Meter reading (AMR) System in  
MSETCL**

# OBJECTIVE OF SCHEME

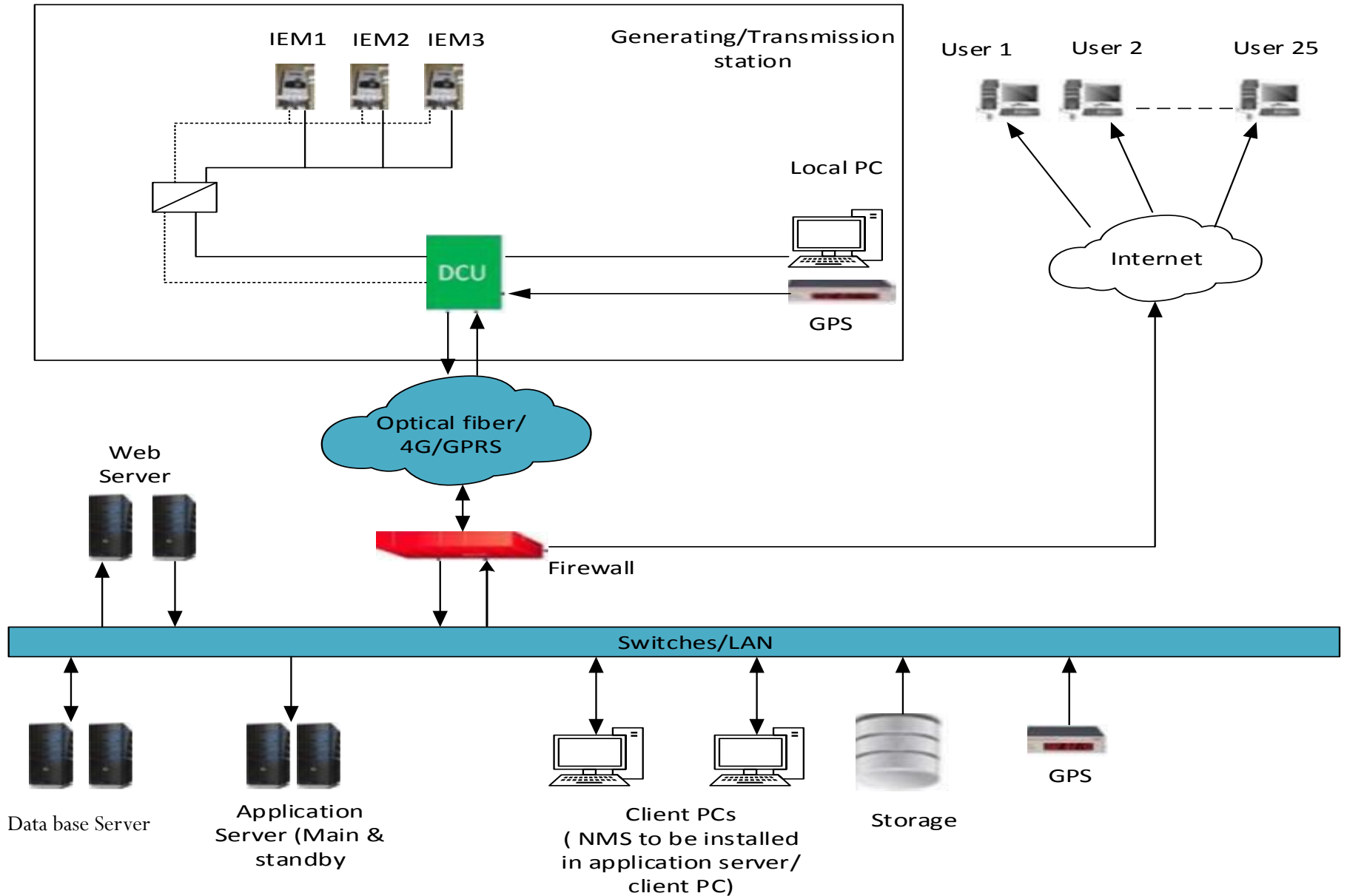
- **Adaptation of SAMAST (Scheduling, Accounting, Metering & Settlement of Transactions in Electricity) guidelines (5 min Settlement period).**
- **POSOCO has issued architecture and specifications of New Interface Energy Meters(IEM).**
- **Existing SEM/ IEMs in MSETCL are in service for more than 8 years and have served their useful life.**
- **Hence Procurement & replacement of Interface Energy meters (5 min).**
- **Implementation of AMR system for DSM (Deviation Settlement Mechanism).**

# FORMULATION OF SCHEME

The Interface Energy Meters required and number of substations considered in the existing MSETCL network & Mumbai utility/zone is as below.

Sr. No.	Zone	No. of Substation	Interface Locations	No. of ABT Meters required
1	Amravati	56	157	314
2	Aurangabad	109	281	562
3	Karad	135	472	944
4	Nagpur	89	306	612
5	Nashik	115	461	922
6	Pune	162	403	806
7	Vashi	87	341	682
8	Mumbai Utility / Zone (TATA/ADANI/BEST)	37	518	1036
<b>TOTAL</b>		<b>790</b>	<b>2939</b>	<b>5878</b>

# SYSTEM ARCHITECTURE



## **WAY AHEAD ....**

- **MSETCL Board has accorded approval for scheme vide BR 132/21 Dated 28.12.18 amounting Rs. 246.28 Cr.**
- **Detailed DPR submitted to MERC for approval vides L. No. 52 dtd. 28.01.2019.**
- **Finalization of tender is in process & is being floated after approval of MERC.**
- **Completion of Project with in 10 months from the date of LOI.**

**Thank You !!!!!**