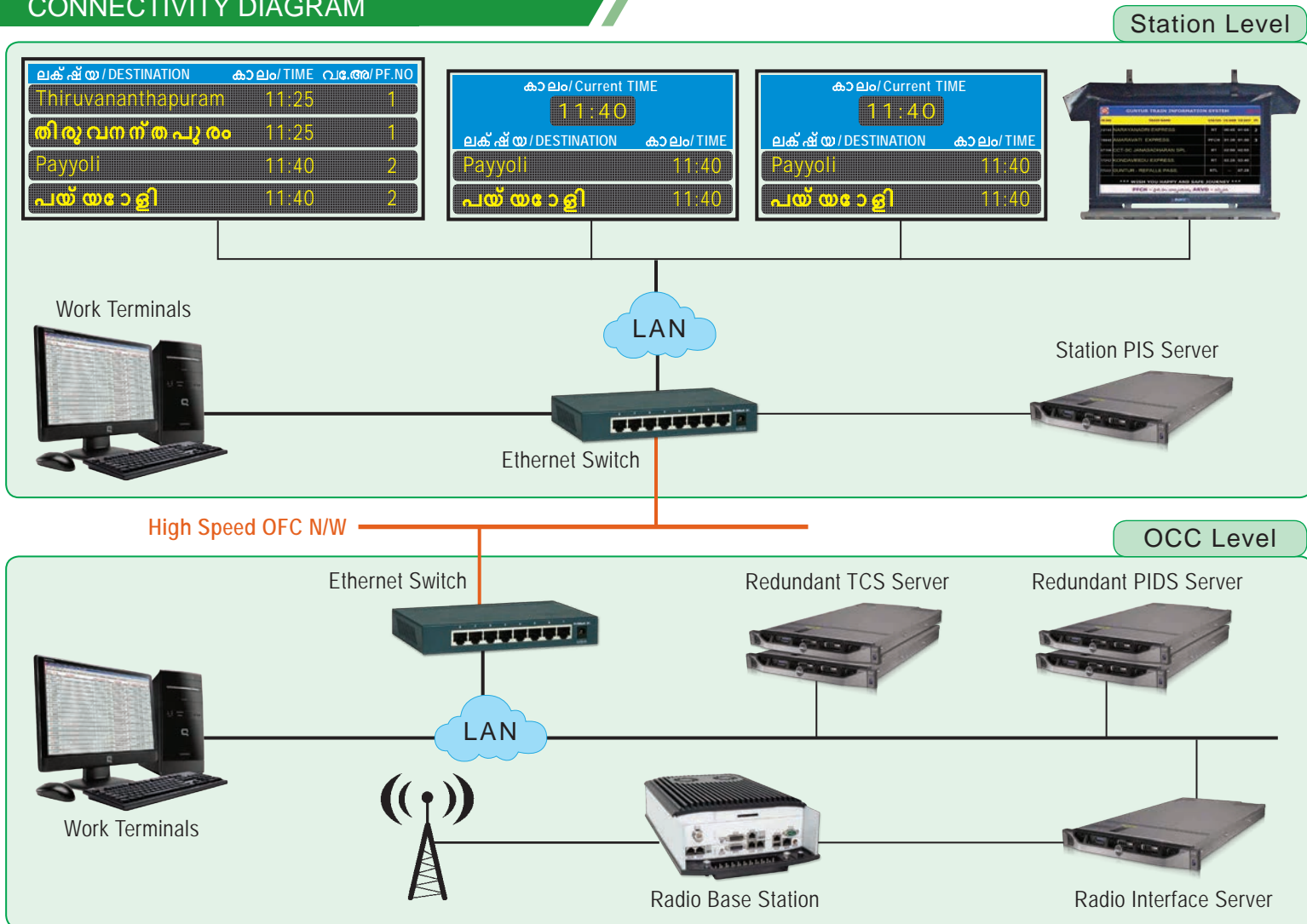


The **Passenger Information Display System (PIDS)** is basically provided for indication of Train service information, General Station Information, Commercial information such as advertisements etc., in Metro Stations. It includes both LED / LCD display systems for Concourse / Entry / Exit and for Platforms.

The **PIDS** is fully software programmable for all parameters and settings. PIDS display systems can be driven either from Operations Control Center (OCC) through PIDS station server, or manually from local ASM Terminal. The messages from the OCC will be sent to stations via existing OFC Backbone Transmission Network (BTN).

**CONNECTIVITY DIAGRAM**



**MAIN FEATURES OF CONTROL UNIT**

- \* Operators at OCC can send pre-defined messages or type in instant messages for sending out to PIDS LED displays in stations.
- \* PIDS system will be interfaced to signalling system to have the latest estimated arrival and departure times and the same will be updated on PIDS display systems in stations at regular time intervals. Time interval is software configurable.
- \* Semi-automatic transfer of train service information based on time-table.
- \* Manual information update from OCC or from local ASM terminal.
- \* Prioritization of message to be displayed is available.

**SALIENT FEATURES OF DISPLAY BOARDS**

- \* Designed for easy maintenance
- \* Supports English, Hindi and all Indian languages based on UNICODE Standard.
- \* Facility to switch from auto to manual mode in OCC
- \* Built-in self diagnostics
- \* Auto save of information once constructed and transferred
- \* Use of high quality LEDs
- \* Designed for minimum product life of 10 years
- \* Designed to withstand Indian environment conditions.

# PASSENGER INFORMATION DISPLAY SYSTEM (PIDS) FOR METRO RAILWAYS

## SPECIFICATIONS FOR LED DISPLAY SYSTEM

Specification	Description
LED type	SMD
LED display matrix	16 x 256
Lines	Two / Three
Sides	Single / Double
Information Display	Train Description and ETA or General Messages
Display Effects	Scrolling up / down / left / right, character by character, Steady etc.
Languages Supported	English, Hindi and Regional Languages
Visible Distance	50 meters
Communication Interface	Ethernet
Operating Power Supply	230V AC ( Range: 170V to 264V)
Operating Temperature	-10°C to 70°C
Enclosure Material	MS CR Sheet (Aluminium: optional)
Mounting	Ceiling, Pillar and Wall Mounting
Protection Class	IP55

## SPECIFICATIONS FOR LCD DISPLAY SYSTEM

Specification	Description
Screen Size	Minimum of 42"
Screen Type	Professional grade LED panel for 24X7 operation
Resolution	Full HD Support (1920X1080)
Brightness	Minimum 450 cd / m <sup>2</sup>
Communication Interface	Ethernet
Protection Class	IP54
Operating Temperature	0°C to 50°C

### Note:

We can provide customized display solutions based on specific requirements from customer. The following customizations are possible.

- \* **LED Display colors:** Single color - WHITE, RED, AMBER / YELLOW, GREEN, Full Color - RGB
- \* **LED / LCD Display:** Any sizes
- \* **Communication Interfaces:** Ethernet, Wired isolated serial communication, ZigBee, WiFi.
- \* **Protocols:** Any specific customized protocols can be given.
- \* LED pitch.
- \* Board Matrix etc.