

Compendium on**Building Self Reliant, Resurgent,
Resilient India****- PSEs Contribution Amidst COVID-19****ITI Limited****R.M. Agarwal**
CMD, ITI Limited

ITI Limited is a Public Sector Undertaking in the telecommunications technology segment established as a departmental factory in 1948. The company has manufacturing facilities in Bengaluru, Naini, Rae Bareli, Mankapur and Palakkad along with an R&D centre in Bengaluru and 25 Marketing, Services & Projects (MSP) centers in India, which are located at Bengaluru, Bhubaneshwar, Chennai, Hyderabad, Kolkata, Lucknow, Mumbai, New Delhi and 17 other places spread across the country.

The company has a diverse suite of products including manufactured products like Gigabit Passive Optical Network (GPON), Managed Leased Line Network (MLLN) products, Stand Alone Signalling Transfer Point (SSTP), Wi-Fi Access Point, Radio Modem, SMPS, Set Top Box, Defence products like multi-capacity encryption units, Bulk encryption Units (BEU), Terminal End Secrecy Devices (TESD), Passive infrastructure products such as Optical Fiber Cable, HDPE duct, Antenna, diversified products such as smart energy meters, smart cards, solar panels, mini personal computers.

Besides offering the telecom turnkey solutions and customized support, ITI has a dedicated Network System Unit for executing turnkey projects for installation and commissioning of telecommunication networks. The company intends to upgrade and invest in the technology, through the acquisition of technology from strategic partners with a specific focus on high growth industry segments. The company operates a data center at Bengaluru and currently expanding the same to offer cloud based services to government institutions/departments, banks etc.

The company is manufacturing a diverse range of Information and Communication Technology (ICT) products/solutions to hone its competitive edge in the convergence market by deploying its rich telecom expertise and vast infrastructure. Company is diversifying towards IOT, Smart city, other allied telecom products and services including turnkey project execution to offer

The Company, with the concerted efforts of one and all, is effectively preventing spread of COVID-19 at its workplace and residential townships and earnestly hopes that its contributions through introduction of host of devices support the people and the nation to fight against COVID-19.

solutions in diversified fields. Encryption Products are the company's forte. Extensive in-house R&D work is devoted towards design and development of encryption solutions to Indian Defence forces.

Employees Strength

- Total : 3490 (As on 01.06.2020)
- Permanent (on roll) : 2884
- Contractual : 606

FIGHTING THE PANDEMIC

ITI LIMITED – A Catalyst to Combat COVID-19

In just a matter of weeks, the outbreak of COVID-19 has changed life dramatically across countries. It is forcing people around the world to live and work in radically different ways and the workforce engaged in organizations - Government or Private, are no exceptions. COVID-19 is changing the way people work, with travel bans, skeleton crews, remote work, and social distancing becoming the norms.

Organizations in the process of their preparation to fight against the crisis, as a first step, need to focus on the physical and mental health of the employees ensuring that they get the needed support to cope up with the stresses. Secondly, regular update of information on safety and preventive measures to manage the crisis is critical and assumes greater importance and these efforts create a sense amongst the employees that they are supported, guided and protected.

Present time is a defining moment for leaders. The only way to support the employees, while ensuring the success of the organization, is to balance deep empathy with economic realities. Further, in the midst of multitude of activities the managers are engaged, sensitizing and empowering them with the information, resources, skills, and support required to fight against the epidemic assumes even greater importance.



ITI Limited, visualizing the scenario, has taken the following pragmatic steps to fight against the pandemic:

Monetary Contribution to PM CARES Fund

- ITI Limited has extended its support for the noble cause by contributing Rs. 64.00 lakhs to the PM-



of fighting against the epidemic. In the process, the company has come out with portal ventilator and host of other products that help to contain spread of the Corona virus. The profile of the products in brief, is as under:

- **Portable Ventilator:** Portal Ventilator is manufactured by ITI Limited, in collaboration with the DRDO is a Single Outlet Automatic Resuscitator system to provide forced breathing to the patients or casualties who could not breathe by themselves. This device can run on AC/DC/ external battery and the source of breathing air is by compressed air or by oxygen. This is the first of its kind in the country. The device has been designed by the Defence Bioengineering and Electromedical Laboratory (DEBEL), DRDO, developed and manufactured by the company at its Bangalore Plant under transfer of technology by DRDO.
- **Face Shield:** This product protects people from respiratory droplets, sprays and saliva that may carry the infectious virus. The Salient features are that it is comfortable to wear with 100% visibility, Light weight, eco-friendly Non Toxic, reusable and made of recyclable material. The produce has been designed by the company and productionized at Bangalore Plant.
- **Sanitizing Tunnel:** This sanitizing chamber featured with Central control panel for misting automatically sensing entry to the tunnel, with adjustable timer.
- **Face Mask with detachable filter:** This product is developed aiming to protect people from respiratory droplets etc., to combat spread of Corona Virus. The product is featured with Long life usability, easy to change filter, light weight and made of biodegradable material.
- **Face Mask Disposal Machine:** This device helps for safe and appropriate disposal of the used face masks and featured with Wall mounting facility, Brilliant Thermal Protection, Easy to use ash trays, Electronic temperature display and corrosion free.

CARES Fund under CSR.

- Employees of the Company contributed their one-day salary to the PM CARES Fund amounting to Rs. 50.00 lakhs.

Payment to Contractual Workers during Lockdown Period

- The company has complied with the guidelines of Hon'ble Ministry of Home Affairs / DPE in this regard.

Social support to needy by providing food & shelter

- The Company has distributed 2500 Nos. of ration-kits, at Bangalore Plant consisting of general provisions, to the poor families at Dr. Ambedkarnagar colony, Bhovi Colony, Caudhenahally, Varanasi, Yrannpalya and Muneswarnagar- the localities at the vicinity of the Plant.
- 500 Nos of ration kits at Mankapur Plant.
- 300 Nos of ration kits at Raebareli Plant.
- 200 Nos. of ration kits at Naini Unit to the needy families.

Medical support to address health crisis

The Company, to begin with, sensitized all its hospitals authorities and staff for their preparedness to fight against the spread of COVID-19 and to coordinate with the State Health authorities. The Company, nominated the senior Doctors / HR Heads as Nodal Officers at all the Units and established 24 x 7 helpline, to educate and facilitate medical services, transport to the employees and their family.

Innovation, R&D and Technological breakthrough

The Development/Manufacturing of Medical Electronic Products by ITI Limited: Large number of countries, across the globe, have been hit hard by the outbreak of COVID-19 and this onslaught left especially the medical industry deterred. The enormous rise in the number of COVID-19 cases leading to shortage of medical supplies including



masks, hand sanitizers, and face shields everywhere. But what is worse is the shortage of ventilators that are much needed for severe Corona infected patients to survive.

ITI Limited, realising the need, as visualized under the Aatma Nirbhar Bharat Abhiyan, ventured into the development and manufacturing of various medical electronic products to serve the noble cause



- **Manual Sanitizer Dispenser:** This device is foot operated hand sanitizer stand, coupled with user friendly features, fully adjustable for various sanitizer bottle types.

These products manufactured at ITI Mankapur Unit have featured with individual care to mass applications in industries, railways, airports, corporations, Hospitals, Public Places. Schools, Colleges etc.

Preventive Measures (for Organization and Employees)

With the imposition of lockdown, the company, in compliance with the National directives for COVID-19 Management at public / work places, has taken the following steps to contain spread of the epidemic:-

- Mass sanitation in the hospitals, Schools, factory / offices, townships, commercial complexes in the townships.
- Sanitizing all the company vehicles.
- Isopropyl Alcohol based sanitizers, face masks and hand gloves were provided in all the Offices/ departments/factory including at security entry posts with strict advice to maintain social distancing in work place.

- Contactless Thermal scanners are provided to the Reception / Security points to check the visitors / employees reporting.
- Educated / created awareness through work groups / social media about the management of COVID-19 cases and contacts.
- 24x7 helpline and transport facilities for employees and their family are provided.
- Company Head Quarter is in constant touch with all the Unit Nodal Officers and Heads of HR for ensuring timely communication of Government guidelines, amongst all the employees and submission of requisite reports to the Ministry / Government.





- During the lockdown period, supply of daily essentials like, milk, vegetables, medicines etc., were ensured in the townships, engaging volunteers from amongst the employees.

Awareness Campaigns

As an effort to educate / create awareness on Prevention and management of COVID-19 amongst the employees and the general public, the company has displayed banners in strategic points and shared useful audio-visual clippings through social groups/media.

At Units, COVID-19 Awareness programmes are organized by HRD Centres. The employees and their family member were advised to download "Aarogya Setu" app and encouraged to effectively use the same. The company has also initiated action to educate the employees and their family by publishing educative information about COVID-19 in the Corporate level House Journal – Doorvani and the Newsletter Published by the Units.

Other Significant measures taken to combat spread of COVID-19

Company has minimized visitors / travelling and initiated discussions / meetings through telecon / Video Conferencing. Management is conducting inter-unit Meeting through VC. The HRD centres are mobilizing the video conferencing for imparting

virtual training across the units.

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DRIVING INNOVATION FOR OVER 70 YEARS IN GOVERNMENT PROJECTS OF NATIONAL IMPORTANCE

- Driving Make in India, Digital India, Skill India
- Electronic Manufacturing facilities across India
- State-of-the-art Infrastructure
- Turnkey Solution provider in Telecom & Defence Sectors
- Major projects - BharatNet, Secured Defence Projects, IOT & Smart City

ITI LIMITED
(A Government of India Undertaking)

TELECOM | DEFENCE | IOT-ICT | SMART CARD | SOLAR

CONCEPT