Smartphone Manufacturing/ Assembling Plant

EMERGING
NEPAL
INVESTMENT
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Background

Smartphones are revolutionary devices in the realm of communication and technology and have become an indispensable part of modern life. It combines the functions of a traditional mobile phone with advanced features akin to a computer, offering a wide range of capabilities. Smartphones enable not only voice and text communication but also provide access to the internet, email, and a plethora of applications for every conceivable purpose, from navigation and music streaming to photography and productivity. Equipped with a touchscreen interface, high-resolution cameras, and an ever-evolving array of software and hardware innovations, smartphones have transformed the way we connect, entertain, work, and access information.

The relentless pace of technological innovation, such as new models featuring enhanced processing power, improved camera systems, and longer battery life being released regularly, is primarily driving the smartphone market. Furthermore, the rising integration of Artificial Intelligence (AI) and Machine Learning (ML) capabilities, which enable more personalized and efficient user experiences, is further fueling the market growth.

Mobile manufacturing/assembling plant is a specialized facility where various mobile hardware and software components are designed, developed, fabricated and assembled to create finished.

Sector
ICT

Location
Industrial Area

Land Area
10.18 hectares

Salient Features

- Design, Develop, Manufacture and Assembling Smart Phone
- Silicon Valley
- Materials Sourcing and Supply Chain Management
- Quality Assurance, Testing and Validation, Certification
- Research and Development

Project Rationale

- Manufacturing/ Assembling of Smart Phones in Nepal
- Production of high quality affordable Smart Phones
- Huge market for Smart Phone and emerging market for 5G technology
- Technology transfer and Innovation
- Cost efficiency in terms of operation and human resource
- Provisions for Regulations , pricing mechanisms and certification of products

Project Outcomes

- Advanced and affordable Smart Phones
- Quality control and assurance
- Robust supply chain management
- Knowledge enhancement of local human resources
- Internal revenue generation and increase in foreign exchange reserve
- Enhance technical and export capabilities
- Cost effective and affordable products
- Employment Generation
- Timely delivery
- Promotion of "Make in Nepal"

Project Major Activities

Assembly Line

Quality Control

Testing and Validation

Packaging and Shipping

Safety and Compliance

Continuous Improvement

E-waste management

Project Implementation Modality

Public Private Partnership (PPP) / **Private Investment**

Project Implementation Timeline

Project Ideation — Pre-feasibility Study — Feasibility Study/DPR — Solicitation — Project Development

Relevant Agencies

- Investment Board of Nepal
- Ministry of Communications and Information Technology
- Ministry of Industry and Commerce
- Ministry of Education, Science and Technology
- Nepal Telecommunication Authority
- Provincial and Local Government

About the Agency

Ministry of Communication and Information Technology

The Ministry of Communication and Information Technology (MoCIT) serves as a pivotal government agency in Nepal, established in 1992 AD (2049 BS). It widely covers postal services, telecommunications, broadcasting, press and information, and film development. MoCIT plays a crucial role in the nation's socio-economic advancement. The ministry is dedicated to promoting democratic culture by supporting freedom of expression and ensuring the right to information for all Nepalese. Central to its mission is the enhancement and expansion of the information and communication sector, including significant private sector involvement and extending infrastructure to rural areas, its long-term vision is centered on leveraging cutting-edge technology to foster national prosperity and continuous development, emphasizing universal connectivity & sustainable digital transformation.

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