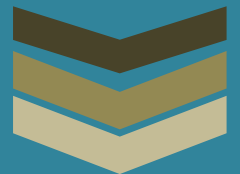


# PROJECT MANAGEMENT CONSULTANCY FOR IMPLEMENTATION OF SMART CITY MISSION PROJECTS FOR MANGALURU CITY

## DETAILED PROJECT REPORT – IMPLEMENTATION OF SKILL DEVELOPMENT AND SAFETY TRAINING CENTRE



The purpose of the Detailed Project Report is to provide details of various considerations made towards the elements proposed for the project as mentioned in the title above. It aims to give a basic design idea to all the stakeholders before proceeding for final design and estimates.

Lalbaug, M.G. Road, Mangalore  
- 575003

7/14/2018

## Issue and Revision Record

Revision	Date	Originator	Checker	Approver	Description	Standard
0	14/01/2018	WTESL/LBI/ CDAC	NELSON PIAS	URVI BHATT/ KAVITA WAKADE	Detailed Project Report	0.1
1	31/01/2018	WTSEL/LBI/CDAC	NELSON PIAS	URVI BHATT/ KAVITA WAKADE	UPDATION IN FUND FLOW	0.2

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.

# Contents

<b>Issue and Revision Record .....</b>	<b>i</b>
<b>Contents ii</b>	
<b>List of Figures .....</b>	<b>iv</b>
<b>List of Tables .....</b>	<b>iv</b>
<b>Abbreviations.....</b>	<b>v</b>
<b>List of Reference Codes, Standards, and Guidelines.....</b>	<b>vi</b>
<b>1. Executive Summary.....</b>	<b>8</b>
<b>2. Introduction.....</b>	<b>9</b>
2.1. Background.....	9
2.2. Objective of the Report .....	12
2.3. Structure of the Report .....	12
<b>3. Project Rationale.....</b>	<b>13</b>
3.1. Need for the Intervention .....	13
3.2. Project Vision, Goal and Smart Objectives.....	13
3.3.1 Project Vision.....	13
3.3.2 Goal of the Project.....	14
3.3.3 List of Sectors Identified by Six Government Institutions.....	14
3.3.4 Stakeholder’s Analysis .....	15
3.3.4.1 Project Management Consultant .....	15
3.3.4.2 Mangaluru Smart City Limited .....	15
3.3.4.3 Government Institutions with Expression of Interest.....	15
3.3.5 Targeted Beneficiaries.....	15
3.3. Expected Outcomes and Benefits of the Project .....	16
<b>4. Requirements Gathering from Government Institutions .....</b>	<b>17</b>
4.1. Current Scenario.....	17
4.1.1. Karnataka German Technical Training Institute (KGTTI).....	17
4.1.2. Government Industrial Training Institute Men .....	18
4.1.3. Government ITI Women.....	20

4.1.4.	Government Tool Room and Training Centre (GTTC) .....	23
4.1.5.	Karnataka (Govt.) Polytechnic (KPT) .....	24
4.1.6.	Government Polytechnic for Women (WPT) .....	25
4.2.	Support and Approvals .....	25
<b>5.</b>	<b>Project Costs and Financing .....</b>	<b>26</b>
5.1.	Funding as per SCP .....	26
5.2.	Estimated Cost for the Project .....	27
5.2.1.	Present Scenario of Funding for Government Polytechnic Colleges across India ..	27
5.2.2.	Process Flow for Skill Development and Safety Training Centre of Mangaluru Smart City .....	29
5.2.3.	Fund Release by MSCL to All 6 Government Institutes.....	31
5.2.3.1.	Assumptions .....	32
<b>6.</b>	<b>Common Norms for Skill Development Schemes.....</b>	<b>40</b>
	<b>Annexure – I: Minutes of Meetings with Stake Holders .....</b>	<b>45</b>

## List of Figures

Figure 1: Budget for Skill Development .....	26
Figure 2 : Funding Allocated to KPT and WPT through CASD .....	27
Figure 3 : Funding Allocated to KPT and WPT through CDTP .....	28
Figure 4. Overall Process Flow for Skill Development Centre Project of MSCL.....	29
Figure 5. Process Flow for Fund Release by MSCL.....	30

## List of Tables

Table 1: Fund Release by MSCL to All 6 Government Institutes .....	31
Table 2 : KGTTI Targets for Trainings in Skill Development Centre Project of MSCL .....	35
Table 3 : Govt ITI men Targets for Trainings in Skill Development Centre Project of MSCL ...	36
Table 4 : Govt ITI Women Targets for Trainings in Skill Development Centre Project of MSCL .....	37
Table 5 : KPT Targets for Trainings in Skill Development Centre Project of MSCL.....	37
Table 6: WPT Targets for Trainings in Skill Development Centre Project of MSCL .....	38
Table 7 : GTTC Targets for Trainings in Skill Development Centre Project of MSCL .....	39

## Abbreviations

ABD	Area Based Development
CSCM	Centrally Sponsored Centrally Managed
CSSD	Central Sterile Supply Department
CTS	Craftsmen Training Scheme
DGFASLI	Directorate General, Factory Advice and Labour Institutes
DGT	Directorate General of Training
MCC	Mangaluru City Corporation
MES	Modular Employable Skills
MSME	Micro, Small & Medium Enterprises
NCVT	National Council for Vocational Training
NSDA	National Skill Development Authority
NSDC	National Skill Development Corporation
NSQF	National Skills Qualification Framework
NSQF	National Skill Qualification Committee
OT	Operation Theatre
PMC	Project Management Consultant
PMKVY	Pradhan Mantri Kaushal Vikas Yojana
SAR	Self Audit Report
SCP	Smart City Proposal
SDIS	Skill Development Initiative Scheme
SDLD	Skill Development Entrepreneurship and Livelihood Department
SPV	Special Purpose Vehicle
SSC	Sector Skill Council
TC	Training Centre
TP	Training Provider
VTP's	Vocational Training Providers

## List of Reference Codes, Standards, and Guidelines

The following documents have been referred in preparing the document:

### Common Norms under Gazette of India for Ministry of Skill Development and Entrepreneurship

1. <http://www.skilldevelopment.gov.in/assets/images/Notification/Common%20Norms%20Notification.pdf>
2. <http://www.skilldevelopment.gov.in/assets/images/Notification/common%20norms-guidelines.pdf>
3. <http://www.skilldevelopment.gov.in/assets/images/Notification/1st%20modification%20to%20common%20norms.pdf>
4. <http://www.skilldevelopment.gov.in/assets/images/Notification/common%20norms.pdf>
5. <http://www.skilldevelopment.gov.in/assets/images/Notification/28.02.2017%20Common%20Norms%20Amendment%20Notification.pdf>

### Circular related to Centrally Sponsored State Managed (CSSM) component of Pradhan Mantri Kaushal Vikas Yojna PMKVY(2016- 2020)

6. <http://www.skilldevelopment.gov.in/assets/images/pmkvy/Circular%20for%20State%20and%20UTs.pdf>
7. [http://www.skilldevelopment.gov.in/assets/images/Sanction/Karnataka\\_CSSM\(2016-18\)\\_31.03.2017.pdf](http://www.skilldevelopment.gov.in/assets/images/Sanction/Karnataka_CSSM(2016-18)_31.03.2017.pdf)

### Operation Manual for Centrally Sponsored State Managed (CSSM) component for Pradhan Mantri Kaushal Vikas Yojna PMKVY (2016-2020)

8. [http://www.skilldevelopment.gov.in/assets/images/pmkvy/Operations%20Manual%20for%20PMKVY%20\(2016-20\)%20-%20Centrally%20Sponsored%20State%20Managed%20Component.pdf](http://www.skilldevelopment.gov.in/assets/images/pmkvy/Operations%20Manual%20for%20PMKVY%20(2016-20)%20-%20Centrally%20Sponsored%20State%20Managed%20Component.pdf)
9. <http://www.skilldevelopment.gov.in/assets/images/pmkvy/Operation%20Manual.pdf>

### Guidelines for State Engagement under Pradhan Mantri Kaushal Vikas Yojna PMKVY (2016-2020)

10. <http://www.skilldevelopment.gov.in/assets/images/pmkvy/State%20engagement%20guidelines%20-%20PMKVY.pdf>
11. <http://www.skilldevelopment.gov.in/assets/images/pmkvy/corrigendum.pdf>

### Guidelines -Pradhan Mantri Kaushal Vikas Yojna PMKVY (2016-2020)

12. [http://www.skilldevelopment.gov.in/assets/images/pmkvy/PMKVY%20Guidelines%20\(2016-2020\).pdf](http://www.skilldevelopment.gov.in/assets/images/pmkvy/PMKVY%20Guidelines%20(2016-2020).pdf)

### **Guidelines –Pradhan Mantri Kaushal Kendra (PMKK)**

13. [https://www.nsdindia.org/New/sites/default/files/files/PMKK-BRANDING-GUIDELINE\\_2nd-Dec-2016.pdf](https://www.nsdindia.org/New/sites/default/files/files/PMKK-BRANDING-GUIDELINE_2nd-Dec-2016.pdf)
14. [https://www.nsdindia.org/New/sites/default/files/files/Hub\\_Spoke\\_Guidelines.pdf](https://www.nsdindia.org/New/sites/default/files/files/Hub_Spoke_Guidelines.pdf)
15. <https://www.nsdindia.org/New/sites/default/files/files/PMKK-Guidelines-December-2017.pdf>
16. <https://www.nsdindia.org/New/sites/default/files/files/PMKK-Disbursement-and-Operational-Guidelines.pdf>
17. <https://www.nsdindia.org/New/sites/default/files/files/RFP-for-setting-up-of-PMKK-Updated-on-7th-Dec-2017.pdf>

### **Circulars Related to Earlier Fund Allocation by Ministry of Human Resource Development**

18. <http://mhrd.gov.in/technical-education-19>
19. <http://www.skilldevelopment.gov.in/polytechnics.html>
20. <http://mhrd.gov.in/technical-education-25>
21. [http://mhrd.gov.in/sites/upload\\_files/mhrd/files/upload\\_document/status\\_upgradation\\_31032017.pdf](http://mhrd.gov.in/sites/upload_files/mhrd/files/upload_document/status_upgradation_31032017.pdf)
22. <http://mhrd.gov.in/technical-education-23>
23. [http://mhrd.gov.in/sites/upload\\_files/mhrd/files/upload\\_document/CDTP-2016-17.pdf](http://mhrd.gov.in/sites/upload_files/mhrd/files/upload_document/CDTP-2016-17.pdf)
24. [http://mhrd.gov.in/sites/upload\\_files/mhrd/files/upload\\_document/CDTPGuidelines.pdf](http://mhrd.gov.in/sites/upload_files/mhrd/files/upload_document/CDTPGuidelines.pdf)

### **List of MES Courses**

25. <https://sdis.gov.in/SDI/frmViewSectorsCourses.aspx>
26. [https://sdis.gov.in/SDI/Scheme\\_Guidelines.aspx](https://sdis.gov.in/SDI/Scheme_Guidelines.aspx) under list of MES courses- 629- updated

### **Syllabus and Tools & Equipments Required for Conducting MES Courses Shortlisted by Institutes Identified by MSCL**

27. <https://sdis.gov.in/SDI/frmSyllabus.aspx>



## 1. Executive Summary

Quality in vocational training has been chosen as one of the focus area under overall mission of National Well Being. Aligning with this government objective, one of the projects under Mangaluru Smart City is, “Skill Development Centre and Safety Training Centre”.

Ministry of Labour and Employment undertook development of a new strategic framework for skill development for early school leavers and existing workers, especially in the un-organized sector in close consultation with industry, micro enterprises in the un-organized sector, State Governments, experts and academia which were essential considering their educational, social and economic background. ***The goal of Skill Development Mission of India is not just to create skills, but develop inclusivity, erasing divides between male/female, urban/rural, etc., in the skills marketplace, and develop a system which will dynamically adjust with the needs of the economy over time.***

Industry is vocal about the skill gap in the workforce, and the lack of a system to produce ‘job ready’ candidates. Big Organizations have full-fledged internal ‘universities’ to convert raw workers into productive professionals. But the money spent by industry for making the workforce into skilled labours is not afforded by many companies. On the other hand, those without ‘job ready’ skills or those with the skills but without the tools, are not reaping the benefit of India’s growth.

Modular Employable Skills (MES) under Skill Development Initiative Scheme (SDIS) was conceptualized with the main objective to provide employable skills to school leavers, existing workers, ITI graduates, etc. Existing skills of the persons can also be tested and certified under this scheme. Priority will be given to covering those above the age of 14 years who have been or withdrawn as child labour to enable them to learn employable skills in order to get gainful employment.

## 2. Introduction

### 2.1. Background

Under the smart city project the diploma / certificate courses from the perspective of development of employable skills as well as for safety training can be provided in the skills required for the maintenance and sustenance of 64 Mangaluru Smart City Projects. MES course list is aligned with the skill set required by the remaining 64 smart city projects. Smart City Projects to be implemented operationalised and maintained ideally in self-sustaining mode under the Smart City Initiative.

Smart City Component ID	Smart City Component Name	Skill Component
	<b>ABD</b>	
	<b>Identity &amp; Culture</b>	
1.	Retrofit Car Street and Sri Venkatramana Temple as Religious Zone	<ul style="list-style-type: none"> <li>• Construction (CON:28)</li> <li>• Business &amp; Commerce (BSC:42)</li> </ul>
2.	Community Level Facilities along with International Swimming Pool	
	<b>Economy &amp; Employment</b>	
3.	Retrofit of Fish Market	
4.	Redevelopment of Central Market	
5.	Redevelopment of Vacant Premises of DC Office into Hotel, Retail Shops and Specialty Restaurants	
6.	Redevelopment of Fisheries Harbor along with Fish Market & Ancillary Facilities.	
7.	Retrofit of Old Port	
8.	Jetty Repair Facility & Warehouse	
9.	Retrofitting of 6 Tile Factories into Hotel Auditorium, Convention Centre, Museum, Marina with Retail and Specialty Restaurants	
10.	Redevelopment of Brick Factory into Retail / Commercial Development (Retail Shop, Small Office)	
11.	Redevelopment of Old Port as Riverfront Recreational Space	
	<b>Health</b>	
12.	Upgradation of Wenlock & Lady Goschen Hospital	
	<b>Education</b>	
13.	Skill Development and Safety Training Centre	Content Development and Web Design (Information & Communication Technology - ICT:16)
14.	Implementation of e-Smart Schools in All Government Schools	
	<b>Open Spaces</b>	
15.	Waterfront Marina Development	<ul style="list-style-type: none"> <li>• Construction</li> </ul>
16.	Development of Waterfront Gardens	

Smart City Component ID	Smart City Component Name	Skill Component
17.	Development of Green Area along Connector Road	(CON:28)
	<b>Housing</b>	• Business & Commerce (BSC:42)
18.	EWS Housing	• Automotive Repair (AUR:1)
	<b>Transport, Mobility &amp; Walkability</b>	
19.	Specialized Pedestrian Facilities along Certain Road Sections	
20.	Retrofit of Bus Station	
21.	Widening of Roads	
22.	Development of MLCP with Retail Space near Hampankatta Junction	
23.	Upgradation of Roads with Footpaths	
24.	Development of MLCP along Connector Road	
25.	Provision of Roadside Plantation	
26.	Implementation of Smart Bus Shelters	
	<b>IT Connectivity</b>	
27	100% IT Connectivity	Network Assistant ((Information & Communication Technology - ICT:16)
	<b>Energy Source &amp; Management</b>	
28.	Solar and Recreational Island	Renewable Energy (RNE: 9)
29.	Installation of Rooftop Solar on Government Buildings	
	<b>Water Source &amp; Quality</b>	
30.	100% Water Supply Coverage along with Residential Meters, Water Quality Monitoring and SCADA.	<ul style="list-style-type: none"> <li>• Industrial Electrical (IEL:8)</li> <li>• Fabrication (FAB:11)</li> <li>• Plastic Processing (PLA:19)</li> </ul>
31.	Implementation of Rain Water Harvesting in All Buildings having Area more than 1000 Sq. Ft.	Rain Water Harvesting (RWH:70)
	<b>Waste Water</b>	
32.	100% Waste Water Coverage along with SCADA and Connecting the Waste Water to STP for Treatment and Reuse.	<ul style="list-style-type: none"> <li>• Industrial Electrical (IEL:8)</li> <li>• Fabrication (FAB:11)</li> <li>• Plastic Processing (PLA:19)</li> </ul>
33.	100% Underground Drainage Network for ABD	
	<b>Air Quality</b>	
34.	Installation of Air Quality Monitoring Sensors and Connecting them to Command and Control Centre	Sensor Maintenance
	<b>Energy Efficiency</b>	
35.	Conversion of All the Lighting in Government Buildings into LED	Renewable Energy (RNE: 9)
36,	Conversion of All Street Lights into Solar LED	
	<b>Underground Wiring</b>	
37.	IPDS Proposals	Electrical (ELE:7) Electronics (ELC:10)

Smart City Component ID	Smart City Component Name	Skill Component
	<b>Sanitation</b>	
38	eToilets along Smart Bus Shelters	<ul style="list-style-type: none"> <li>• Fabrication (FAB:11)</li> <li>• Plastic Processing (PLA:19)</li> <li>• Information &amp; Communication Technology - (ICT:16)</li> </ul>
	<b>Pan City</b>	
	<b>One Touch Mangaluru</b>	
39.	ICT and Disaster Safety Components.	<ul style="list-style-type: none"> <li>• Information &amp; Communication Technology - (ICT:16)                             <ul style="list-style-type: none"> <li>○ Hardware and IT Infrastructure Support</li> <li>○ Networking Support</li> </ul> </li> </ul>
40.	Public Mobility App.	
41.	Hardware & GPS Support.	
42.	MCC - Citizen Interface APP.	
	<b>Smart Utility Management</b>	
43.	Bus shelters with Wi-Fi & eToilets.	<ul style="list-style-type: none"> <li>• Construction (CON:28)</li> </ul>
44.	Smart water meters for H/H (15mm).	<ul style="list-style-type: none"> <li>• Industrial Electrical (IEL:8)</li> <li>• Electrical (ELE:7)</li> <li>• Fabrication (FAB:11)</li> <li>• Plastic Processing (PLA:19)</li> <li>• Electronics (ELC:10)</li> </ul>
45.	Smart water meter apartments (40mm) with Analyzer.	
46.	Bulk water meters + SCADA for water distribution network.	
47.	Smart energy meters for LT (Res).	
48.	Mechanized vehicles for SWM collection (8 W).	
49.	Mechanized vehicles for SWM collection (4 W).	
50.	Segregated smart bins for street level collection.	
51.	Hand held readers for H/H meters.	
52.	Software for smart meters	
53.	Software for high bulk water meters.	
54.	LED Street Lights - Major Roads.	<ul style="list-style-type: none"> <li>• Renewable Energy (RNE: 9)</li> <li>• Electronics (ELC:10)</li> </ul>
55.	LED Street Lights - Minor Roads	
56.	LED Street Lights - Lanes	
57.	Command & Control Centre	<ul style="list-style-type: none"> <li>• Information &amp; Communication Technology - (ICT:16)                             <ul style="list-style-type: none"> <li>○ Hardware and IT Infrastructure Support</li> <li>○ Networking Support</li> <li>○ Camera Maintenance</li> </ul> </li> </ul>
58.	CCTV System Fixed Zoom Telescopic Camera	
59.	Hardware Support	
60.	Networking & Cloud Support	
61.	CCTV for road surveillance (PTZ) with WP	
62.	CCTV for road surveillance (fixed tele) with WP	
63.	Control Room Hardware	
64.	Cabling & other hardware	
65.	Patrolling Vehicles 4 W	

## 2.2. Objective of the Report

The objective of this document is to address the rationale behind implementation of skill development and safety training centre under Mangaluru Smart City Project.

## 2.3. Structure of the Report

The Detailed Project report is structured in the following sections. Section 3 discusses the project rationale.

## 3. Project Rationale

### 3.1. Need for the Intervention

- Promoting lifelong learning, maintaining quality and relevance, according to changing requirement particularly of emerging knowledge economy.
- Creating effective convergence between school education, various skill development efforts of government and between government and private Sector initiative.
- Capacity building of institutions for planning, quality assurance and involvement of stake holders.
- Increasing participation of stakeholders, mobilizing adequate investment for financing skill development, attaining sustainability by strengthening physical and intellectual resources.

### 3.2. Project Vision, Goal and Smart Objectives

#### 3.3.1 Project Vision

The skill training is to be provided through the six government-managed Industrial Training Institutes (ITIs) which are:

Sr. No.	Name	Center Address
1.	Karnataka German Technical Training Institute(KGTTI)	2nd Floor Konchady Post, Airport Road, Near Sharabath Kate, Mangalore-575008
2.	Government ITI-529240000024, Kadri Hills	Kadri Hills, Mangalore-575004
3.	Govt. ITI (Women), Mangalore , Mangalore	Konchady Post, Airport Road, Near Sharabath Kate, Mangalore-575008
4.	Karnataka (Govt.) Polytechnic (KPT)	Kadri Hills, Mangalore-575004
5.	Government Tool Room Training Centre (GTTC)	Baikampady Industrial Area Mangalore -575011
6.	Government Women's Polytechnic (WPT)	Bondel, Mangalore -575008

The Smart City Skill Development and Safety Training Centre will be taken up by these six Government ITIs. The different courses aligned to provide the skilled staff for the maintenance of the smart city projects will be selected and owned by these six ITIs. The infrastructure set-up requirements to run these courses will be provided for through the Smart City Project funding.

Mangaluru has been listed as one of the Smart City under the Smart City Mission based on the projects proposed by MSCL. The short term courses in adherence to these projects then creates skilled workers required to make them self sustaining and also provides the assured internships for the students.

The courses running will be facilitated through the convergence of government skill development schemes such as Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Skill Development Initiative (SDI) Scheme based On “Modular Employable Skills (MES), Corporate Social Responsibility (CSR) Schemes etc.

### 3.3.2 Goal of the Project

- Providing financial assistance to upgrade infrastructure of six government institutions for modern equipments and by replacement of obsolete equipments.
- Introduction of new courses aligned to MES course syllabus.
- Provide the state of art training facilities which will result in enhanced employment opportunities in the local industry as well as outside ventures.
- Skills developed for the domains aligned with 64 smart city projects of Mangaluru smart city will bring a large number of job opportunities.
- Definite placement on successful completion of the training programs.
- Standardized certification process and initiation of a process of creating a registry of skills.
- Increase productivity of the existing workforce and align the training and certification to the needs of the country.
- Approvals from the NCVT / SCVT if the particular skill development courses are newly designed to suit the requirements of the local industry.

### 3.3.3 List of Sectors Identified by Six Government Institutions

26 Courses to be undertaken by six Govt ITI's (Govt. ITI +WPT+ KPT + Women's ITI + KGTTI + GTTC) under the following 9 Sectors:

1. Renewable Energy
2. Information And Communication Technology
3. Refrigeration & Air Conditioning
4. Fabrication
5. Electrical
6. Electronics
7. Automotive Repair
8. Production And Manufacturing
9. Business And Commerce

### 3.3.4 Stakeholder's Analysis

#### 3.3.4.1 Project Management Consultant

- Identifying / Mapping of Smart City Project Requirements with Existing MES Course List.
- Identification of Courses and Corresponding Government Training Centers which are interested in taking up the same.

#### 3.3.4.2 Mangaluru Smart City Limited

- Set up the required infrastructure for the centre in the respective ITIs using the smart city funding contribution
- Set up a Monitoring Committee to Monitor the Performance of the Centres.

#### 3.3.4.3 Government Institutions with Expression of Interest

- Finalize the list of courses to be offered under Smart City Skill Development and Safety Training respectively.
- Get the courses if designed new, to be certified by NCVT / SCVT.
- Plan and Execute the Academic Calendar for the Selected Courses.

### 3.3.5 Targeted Beneficiaries

- Offering Skills Programmes linking trainees to placements in organized sector.
- Re-skilling and up-skilling of people already in jobs.
- Training of government functionaries on work skills and IT for improved governance.
- Vocational education aligned to National Skills Qualification Framework (NSQF) for students of schools and colleges (undergraduates/graduates and post graduates)
- The Short Term Training imparted at PMKVY Training Centres (TCs) is expected to benefit candidates of Indian nationality who are either school/college dropouts or unemployed.
- Duration of the training varies per job role, ranging between 150 and 700 hours.
- Upon successful completion of their assessment, candidates shall be provided placement assistance by Training Partners (TPs).
- Under PMKVY, the entire training and assessment fees are paid by the Government.
- Payouts shall be provided to the TPs in alignment with the Common Norms with either option 1 or option 2 as mentioned in the Common Norms Amendment by Gazette of India for ministry of Skill and Development.



### 3.3. Expected Outcomes and Benefits of the Project

The Skill Development Solutions are proposed to offer the following benefits to the identified beneficiaries:

- To train underprivileged, unemployed, unskilled, semi-skilled in a state of art technology and making them skilled and employable.
- Internship for the students on the live projects.
- To provide employment opportunities in the industry or to prepare the candidates to start micro enterprises.
- Providing Demand Driven workforce to the Industry.
- Efficient placement cell to provide definitive employment.

## 4. Requirements Gathering from Government Institutions

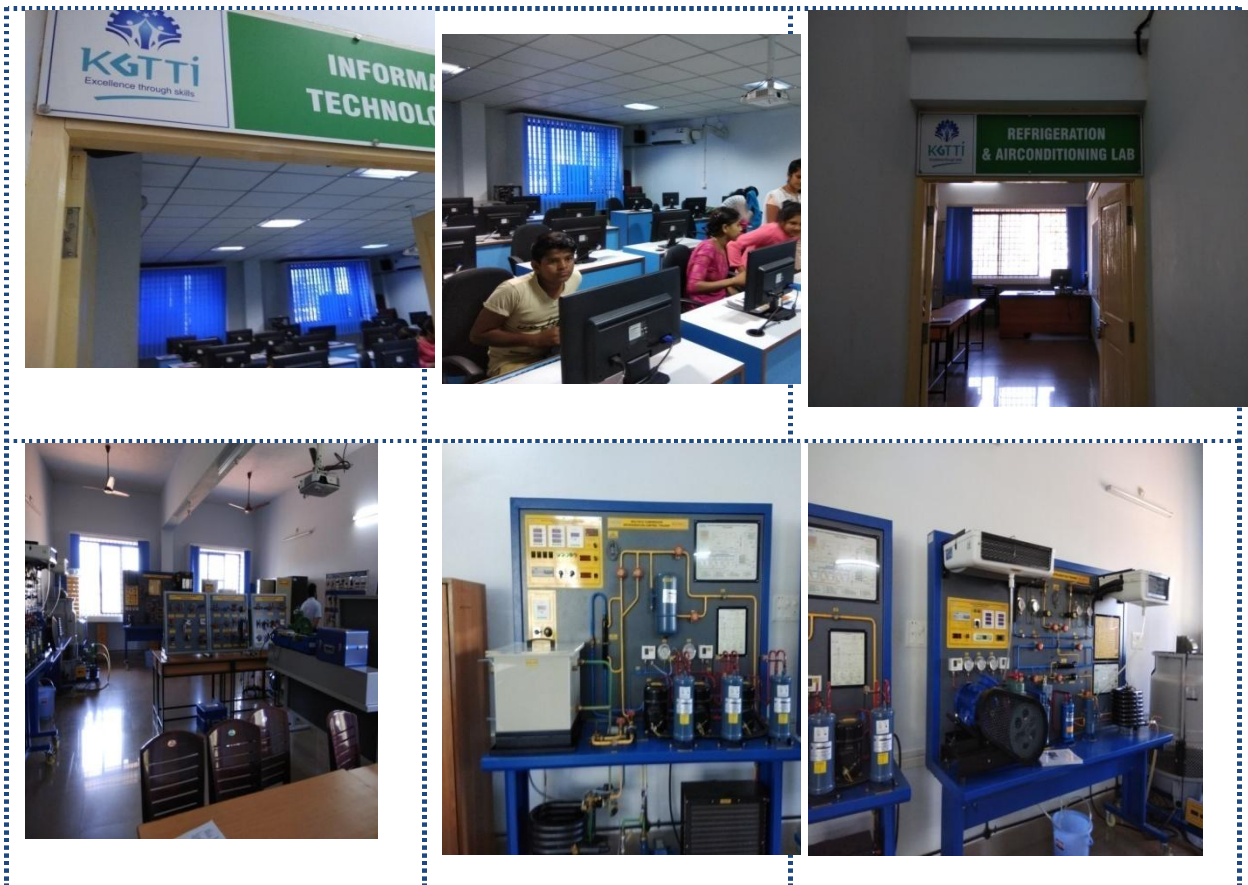
### 4.1. Current Scenario

#### 4.1.1. Karnataka German Technical Training Institute (KGTTI)

Karnataka German Technical Training Institute (KGTTI) is established by Karnataka German Multi Skill Development Center (KGMSDC), a society promoted by Government of India and Government of Karnataka with Technical Support of German International Services (GIZ-IS).

The courses undertaken by this institute are covered under sectors like Finance and Accounting, IT Networks Hardware, Fabrication and Refrigeration and Air Conditioning.

Current state of art facilities in the technical laboratory with latest equipments and devices provided by KGTTI to the students are depicted in images given below:





#### 4.1.2. Government Industrial Training Institute Men

Government Industrial Training Institute Men also known as ITI Kadri is functioning under Department of Employment & Training. The institute offers courses mainly in sectors like Automobile, Fabrication, production and manufacturing, electrical and electronics.

Current state of art facilities in the technical laboratory with equipment and devices provided by Govt ITI Men to the students are depicted in images given below:





### 4.1.3. Government ITI Women

Government ITI is functioning under Department of Employment & Training. The institute offers courses mainly in sectors like Electric Mechanical, ICT, Beauty Wellness, Hospitality, Hand Embroidery and Artificial Jewelry making.

Current state of art facilities in the technical laboratory with equipments and devices provided by Govt ITI Women to the students are depicted in images given below:

DETAILED PROJECT REPORT – IMPLEMENTATION OF SKILL DEVELOPMENT AND SAFETY TRAINING CENTRE



DETAILED PROJECT REPORT – IMPLEMENTATION OF SKILL DEVELOPMENT AND SAFETY TRAINING CENTRE



#### 4.1.4. Government Tool Room and Training Centre (GTTC)

Government Tool Room & Training Centre - Mangalore was established in 1994. Principal M. Geethakrishna recommended four courses under Production and Manufacturing sector.

At present, GGTC is getting Rs. 40.4 per hour under Chief Ministers Koushalya Karnataka Yojane (CMKKY) scheme for similar training.

Following are the images of the facilities provided to students at GTTC:





#### 4.1.5. Karnataka (Govt.) Polytechnic (KPT)

PMC approached Principal Babu Devadiga for Karnataka Government Polytechnic for short listing of courses. Center for Continuing Technical Education in Karnataka (C.C.T.E.K.) functions as an autonomous governing body which conducts the courses in sectors like AC & Refrigeration, Process Piping Engineering, Plumbing, Welding (Arc, Wing, Tig), Fire & Safety, Heavy Equipment operating training in JCB, Crane, Forklance, Fork Lift, Electronic Mechanic, ,PLC/CLC Training, AutoCAD, Light Vehicles Driving Training and Special Courses for Women.

Following are the facilities provided to students at KPT for the above courses undertaken by the college:





#### 4.1.6. Government Polytechnic for Women (WPT)

This institution has received funding from various projects like Direct Central Assistance Scheme of Government of India / World Bank Aid for the development activities / State Government Finances / MODROBS from AICTE / Community development through Polytechnics / up gradation of existing Polytechnics Scheme / Women's Hostel from MHRD / CCTEK/PWD Scheme etc. It runs diploma courses.

#### 4.2. Support and Approvals

- Government Institutions to decide on the course list that is going to be run in their premises.
- Mangaluru Smart City SPV needs to identify one monitoring committee that will guide and coordinate with government it is and the local industry representatives and Mangaluru City Corporation for ensuring the maximum benefit of the setup under various skill development missions provided by the Government of India.
- Infrastructure setting up for imparting the short term courses under smart city skill development needs to be identified.
- SCVT/NCVT to support definition of the Courses aligned with the smart city projects. The monitoring committee has to monitor the progress of the centre and its consistency.

## 5. Project Costs and Financing

### 5.1. Funding as per SCP

Budget under SCP for this project cost is listed below:

Smart City Component ID	Smart City Component Name	Budget Estimated in the Proposal in INR
13	Skill Development and Safety Training Centre (setup)	3.3 Crores
	Running the Certified Skill Development and Safety Training Centre and Offering Various Courses by the Government ITIs.	Government Schemes (PMKVY) Convergence

Figure 1: Budget for Skill Development

As per the Common Norms Notification, Funding for skill Development is as follows:

*Funding under skill development schemes is available for either of the following:*

*Option (i) Meeting the capital expenditure for creation/up gradation of infrastructure for skill development training; and*

*Option (ii) Meeting the recurring cost of training individual trainees including post-placement costs.*

*\*Common Norms Amendment listed in Annexure 5.*

Option (ii) -Fund allocation Under PMKVY convergence scheme (2016-2020), Payout Tranches to Training Providers / PIA

Tranches	% of Total Base Cost per candidate	Output Parameters
1	30%	On commencement of the training batch against validated candidates
2	50%	On successful certification of the trainees
3	20%	Outcome based on placements

Tranches	% of Total Base Cost per candidate	Output Parameters
1	80%	On Successful Certification of Candidate
2	20%	On Successful Submission of Evidence Based Proofs of Certificate Distribution Ceremony (Batch-wise Photos of Candidates with Certificates)

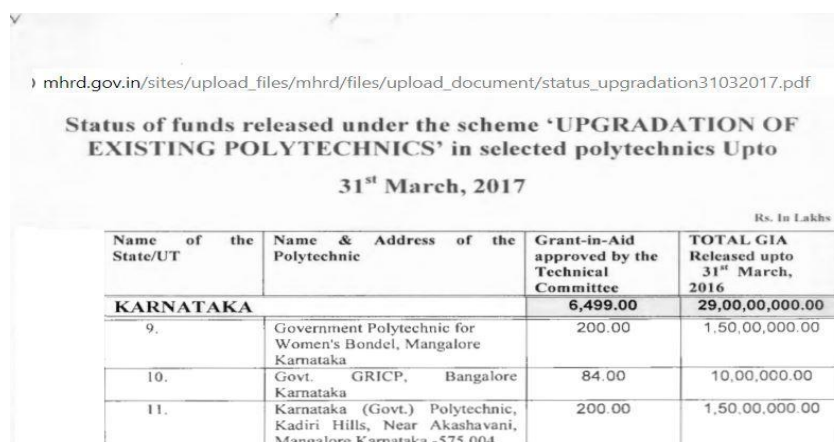
- Costs would be subject to a periodic enhancement of 10% annually or as decided by the Common Norms Committee provided minimum duration between any 2 revisions would be at least six months.
- **Clause 5.4 :** Option 2 will cover following costs -The hourly rates shall be inclusive of cost components such as:
  - i. Mobilization of candidates
  - ii. Post-placement tracking/monitoring
  - iii. Curriculum
  - iv. Placement expenses
  - v. Trainers’ training
  - vi. Equipment
  - vii. Amortization of Infrastructure costs/Utilities
  - viii. Teaching Aid
  - ix. Raw material
  - x. Salary of trainers

## 5.2. Estimated Cost for the Project

### 5.2.1. Present Scenario of Funding for Government Polytechnic Colleges across India

Two types of schemes are available for funding assistance for Government Polytechnics across India:

- Under Polytechnic Schemes of Skill Development Mission, **Sub-Mission on Polytechnics under the Coordinated Action for Skill Development 2015-16** - Under Central assistance for Upgradation of selected Polytechnics Fund of 2 crores is allocated to two government Polytechnic Institutions- Karnataka Government Polytechnic and Women’s Poly Technic ,Bondel funds have released under the scheme 'UPGRADATION OF EXISTING POLYTECHNICS' in selected polytechnics Up to 31st March, 2017.



Name of the State/UT	Name & Address of the Polytechnic	Grant-in-Aid approved by the Technical Committee	TOTAL GIA Released upto 31 <sup>st</sup> March, 2016
<b>KARNATAKA</b>		<b>6,499.00</b>	<b>29,00,00,000.00</b>
9.	Government Polytechnic for Women's Bondel, Mangalore Karnataka	200.00	1,50,00,000.00
10.	Govt. GRICP, Bangalore Karnataka	84.00	10,00,000.00
11.	Karnataka (Govt.) Polytechnic, Kadiri Hills, Near Akashavani, Mangalore Karnataka -575 004.	200.00	1,50,00,000.00

Figure 2 : Funding Allocated to KPT and WPT through CASD

- Under Scheme of **Community Development Through Polytechnics (CDTP)**, “**One-time Non-recurring grant of Rs. 20.00 lakh (Polytechnic which did not receive non-recurring (NR) Grant under erstwhile CP Scheme) and Rs 13.00 Lakh (Polytechnics which received NR Grant under erstwhile CP Scheme) for one five year plan and Recurring grant up to Rs. 17.00 lakh per annum**” is released to Government polytechnics in India.

Status of Grant in Aids released for both Women’s Polytechnic and Karnataka Polytechnic is as depicted below:

Status of GIA Released under the CDTP Scheme since 2009-10 to 2016-17										
(Rs. In Lakh)										
Sl. No.	Name of State / Institute	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total GIA released since inception i.e. 2009-10 to 2016-17
<b>KARNATAKA</b>										
147	Karnataka (Govt.) Polytechnic, Mangalore, Dakshina Kannada, Karnataka -575004	10.25	2.10	20.00	8.00	8.00	0.00	8.00	0.00	56.35
148	Govt. Polytechnic for Women, Bondel, Mangalore, Distt. Dakshin Kannada, Karnataka - 575008	10.25	3.50	5.50	8.00	8.00	4.50	8.00	0.00	47.75

Figure 3 : Funding Allocated to KPT and WPT through CDTP

### 5.2.2. Process Flow for Skill Development and Safety Training Centre of Mangaluru Smart City



Figure 4. Overall Process Flow for Skill Development Centre Project of MSCL

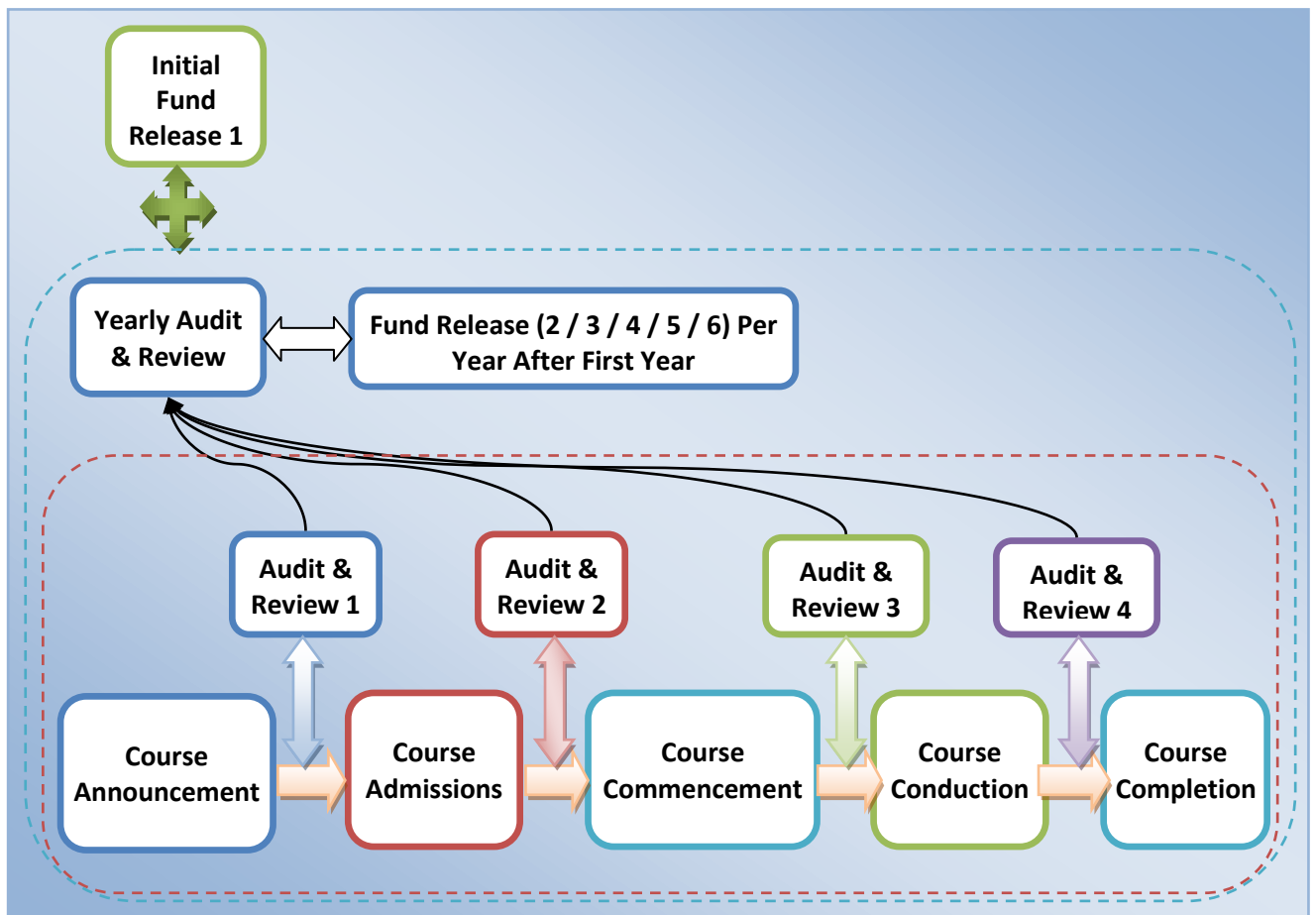


Figure 5. Process Flow for Fund Release by MSCL

### 5.2.3. Fund Release by MSCL to All 6 Government Institutes

Table 1: Fund Release by MSCL to All 6 Government Institutes

Sr. no.	Government Institute	Total No. of Course Hours to be taken in 5 Years	Total No. of Students To be Trained in 5 Years	Average no. of Students to be Trained per Year	Total Fund Allocation per Institute (INR)	30% of the Project Funds (Initial Fund Release 1) (INR)	Release 2 (End of Year 1) (INR)	Release 3 (End of Year 2) (INR)	Release 4 (End of Year 3) (INR)	Release 5 (End of Year 4) (INR)	Release 6 (End of Year 5) (INR)
1.	KGTTI	4250	394	78.8	5497500	1649250	769650	769650	769650	769650	769650
2.	Government ITI Men	5420	248	49.6	5484000	1645200	767760	767760	767760	767760	767760
3.	Government ITI Women	2600	340	68	5280000	1584000	739200	739200	739200	739200	739200
4.	KPT	2100	350	70	5490000	1647000	768600	768600	768600	768600	768600
5.	WPT	2000	360	72	5400000	1620000	756000	756000	756000	756000	756000
6.	GTTC	2200	160	32	2580000	774000	361200	361200	361200	361200	361200
Total					<b>29731500</b>	<b>8919450</b>	<b>4162410</b>	<b>4162410</b>	<b>4162410</b>	<b>4162410</b>	<b>4162410</b>

Funds Reserved for Innovation<sup>1</sup> = INR 32,68,500

<sup>1</sup> The Govt Institutions can take courses aligned with Smart City Projects like CCTV Installation Technician, Solar Panel Installation Technician, LED Light Repair Technician.



### 5.2.3.1. Assumptions

If, Total fund for institute  $I$  is  $F_I$ , and

Average no. of Students to be Trained for each year in Institute  $I$  is  $S_I$  and

Actual no. of Students Trained for the year  $N$  is  $S_N$

Then Release for year  $N$  is

$$\text{Release (N)} = R_N = (S_N / S_I) (0.14 * F_I) \quad \text{----- where } N \text{ is } 2 / 3 / 4 / 5 \text{ and } S_N < (S_I \times 5) \text{ and } F_I - (R_1 + \dots + R_{(N-1)}) > 0$$

$$\text{Release (6)} = R_6 = [F_I \times \{(S_1 + S_2 + S_3 + S_4 + S_5) / (S_I \times 5)\}] - (R_1 + R_2 + R_3 + R_4 + R_5)$$

**\*.14 multiplication factor is derived from the point that 70% of the fund to be disbursed over period of five years for conducting courses and cost per hour.**

Sr. No.	Institution Name	Total fund for institute $I$ is $F_I$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute $I$ is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution ( $R_1$ )	Fund Release ( $R_2$ ) if $S_1=80$	Fund Release ( $R_3$ ) $S_2=80$	Fund Release ( $R_4$ ) $S_3=80$	Fund Release ( $R_5$ ) $S_4=80$	Fund Release ( $R_6$ ) $S_5=74$
1	KGTTI	5497500	394	78.8	1649250	781370	781370	781370	781370	722770

Sr. No.	Institution Name	Total fund for institute / is $F_i$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute / is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution (R1)	Fund Release (R2) if $S_1=72$	Fund Release (R3) $S_2=72$	Fund Release (R4) $S_3=72$	Fund Release (R5) $S_4=72$	Fund Release (R6) $S_5=60$
2	Govt ITI Men	5484000	348	69.6	1645200	794234	794234	79234	794234	661864

Sr. No.	Institution Name	Total fund for institute / is $F_i$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute / is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution (R1)	Fund Release (R2) if $S_1=68$	Fund Release (R3) $S_2=68$	Fund Release (R4) $S_3=68$	Fund Release (R5) $S_4=68$	Fund Release (R6) $S_5=68$
3	Govt ITI Women	5280000	340	68	1584000	739200	739200	739200	739200	739200

Sr. No.	Institution Name	Total fund for institute / is $F_i$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute / is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution (R1)	Fund Release (R2) if $S_1=70$	Fund Release (R3) $S_2=70$	Fund Release (R4) $S_3=70$	Fund Release (R5) $S_4=70$	Fund Release (R6) $S_5=70$
4	KPT	5490000	350	70	1647000	768600	768600	768600	768600	768600

Sr. No.	Institution Name	Total fund for institute / is $F_i$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute / is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution (R1)	Fund Release (R2) if $S_1=72$	Fund Release (R3) $S_2=72$	Fund Release (R4) $S_3=72$	Fund Release (R5) $S_4=72$	Fund Release (R6) $S_5=72$
5	WPT	5400000	360	72	1620000	756000	756000	756000	756000	756000

Sr. No.	Institution Name	Total fund for institute / is $F_i$	Total number of students to be trained in 5 years (S)	Average no. of Students to be Trained for each year in Institute / is $S_{I=(S/5)}$	Initial Fund Release 30% of the Budget proposed by Institution (R1)	Fund Release (R2) if $S_1=32$	Fund Release (R3) $S_2=32$	Fund Release (R4) $S_3=32$	Fund Release (R5) $S_4=32$	Fund Release (R6) $S_5=32$
6	GTTC	2580000	160	32	774000	361200	361200	361200	361200	361200

No. of students to be trained should be decided by the institution. Above figures of number of students to be trained each year are taken as an example to explain the formula for fund release.

$$\text{Release (N)} = R_N = (S_N / S_i) (0.14 * F_i) \text{ ---- where N is 2 / 3 / 4 / 5 and } S_N < (S_i \times 5) \text{ and } F_i - (R_1 + \dots + R_{(N-1)}) > 0$$

$$\text{Release (6)} = R_6 = [F_i \times \{(S_1 + S_2 + S_3 + S_4 + S_5) / (S_i \times 5)\}] - (R_1 + R_2 + R_3 + R_4 + R_5)$$

**Table 2 : KGTTI Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no. of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Karnataka German Technical Training Institute (KGTTI)</b>							<b>16,49,250</b>
1	RENEWABLE ENERGY	RNE704	Assistant Solar PV Technician	600	40	720000	
2		RNE805	Solar PV Technician	600	40	720000	
3	INFORMATION AND COMMUNICATION TECHNOLOGY	ICT703	Computer Hardware Assistant	500	35	525000	
4		ICT704	Computer Network Assistant	500	40	600000	
5	REFRIGERATION & AIR CONDITIONING	REF706	Repair and maintenance of Window and Split A.C	500	60	900000	
6	FABRICATION	FAB701	Arc and Gas Welder	700	40	840000	
7		FAB702	TIG Welder	300	60	540000	
8		FAB703	CO2 Welder	300	40	360000	
9		FAB704	ARC and MIG Welder	250	39	292500	
9	<b>Total</b>			<b>4250</b>	<b>394</b>	<b>5497500</b>	

**Table 3 : Govt ITI men Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no.of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Government ITI Men</b>							<b>16,45,200</b>
1	ELECTRICAL	ELE701	Electrician Domestic	600	40	720000	
2		ELE703	Electrical Winder	600	40	720000	
3	ELECTRONICS	ELC703	Repair & maintenance of Personal electronic devices	520	40	624000	
4	AUTOMOTIVE REPAIR	AUR703	Driver cum Mechanic	600	20	360000	
5		AUR707	Repairing of Auto Electrical, Electronic and Air Conditioning System	600	20	360000	
6	REFRIGERATION & AIR CONDITIONING	REF706	Repair and maintenance of Window and Split A.C	500	40	600000	
7	FABRICATION	FAB701	Arc and Gas Welder	700	20	420000	
8		FAB702	TIG Welder	300	40	360000	
9	PRODUCTION AND MANUFACTURING	MAN702	CNC Turning	500	48	720000	
10		MAN704	CNC Milling	500	40	600000	
<b>10</b>	<b>Total</b>			<b>5420</b>	<b>348</b>	<b>5484000</b>	

**Table 4 : Govt ITI Women Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no. of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Government ITI Women</b>							<b>15,84,000</b>
1	ELECTRICAL	ELE701	Electrician Domestic	600	80	1440000	
2	ELECTRONICS	ELC701	Repair & Maintenance of Domestic Electronic Appliances	520	40	624000	
3		ELC702	Repair & Maintenance of Office Electronic Appliances	520	40	624000	
4	BUSINESS AND COMMERCE	BSC101	Small Office/ Home Office Coordinator	480	100	1440000	
5		BSC103	Junior Human Resource Associate	480	80	1152000	
5	<b>Total</b>			<b>2600</b>	<b>340</b>	<b>5280000</b>	

**Table 5 : KPT Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no. of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Karnataka (Govt.) Polytechnic Mangalore (KPT)</b>							<b>16,47,000</b>
1	ELECTRICAL	ELE701	Electrician Domestic	600	80	1440000	
2	INFORMATION AND COMMUNICATION TECHNOLOGY	ICT701	Accounts Assistant using Tally	500	110	1650000	
3	AUTOMOTIVE REPAIR	AUR702	Basic Automotive Servicing 4 wheeler	500	80	1200000	
4	REFRIGERATION & AIR CONDITIONING	REF706	Repair and maintenance of Window and Split A.C	500	80	1200000	
4	<b>Total</b>			<b>2100</b>	<b>350</b>	<b>5490000</b>	

**Table 6: WPT Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no. of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Government Polytechnic For Women, Mangalore (WPT)</b>							<b>16,20,000</b>
1	ELECTRONICS	ELC701	Repair & Maintenance of Domestic Electronic Appliances	520	100	1560000	
2	INFORMATION AND COMMUNICATION TECHNOLOGY	ICT703	Computer Hardware Assistant	500	80	1200000	
3		ICT704	Computer Network Assistant	500	80	1200000	
4	BUSINESS AND COMMERCE	BSC101	Small Office/ Home Office Coordinator	480	100	1440000	
<b>4</b>	<b>Total</b>			<b>2000</b>	<b>360</b>	<b>5400000</b>	

**Table 7 : GTTC Targets for Trainings in Skill Development Centre Project of MSCL**

Sr. No.	Sector	Course Code	Course Name	No. of Course Hours	Target no. of Students in 5 Years	Total Project Funding (Course-Hours *Rs.30 *no. of students) (INR)	30% of the Project Funds (Course-Hours Wise) Per Institute (INR)
<b>Government Tool Room &amp; Training Centre (GTTC)</b>							<b>7,74,000</b>
1	PRODUCTION AND MANUFACTURING	MAN701	Turning	600	30	540000	
2		MAN702	CNC Turning	500	50	750000	
3		MAN703	Milling	600	30	540000	
4		MAN704	CNC Milling	500	50	750000	
<b>4</b>	<b>Total</b>			<b>2200</b>	<b>160</b>	<b>2580000</b>	



## 6. Common Norms for Skill Development Schemes

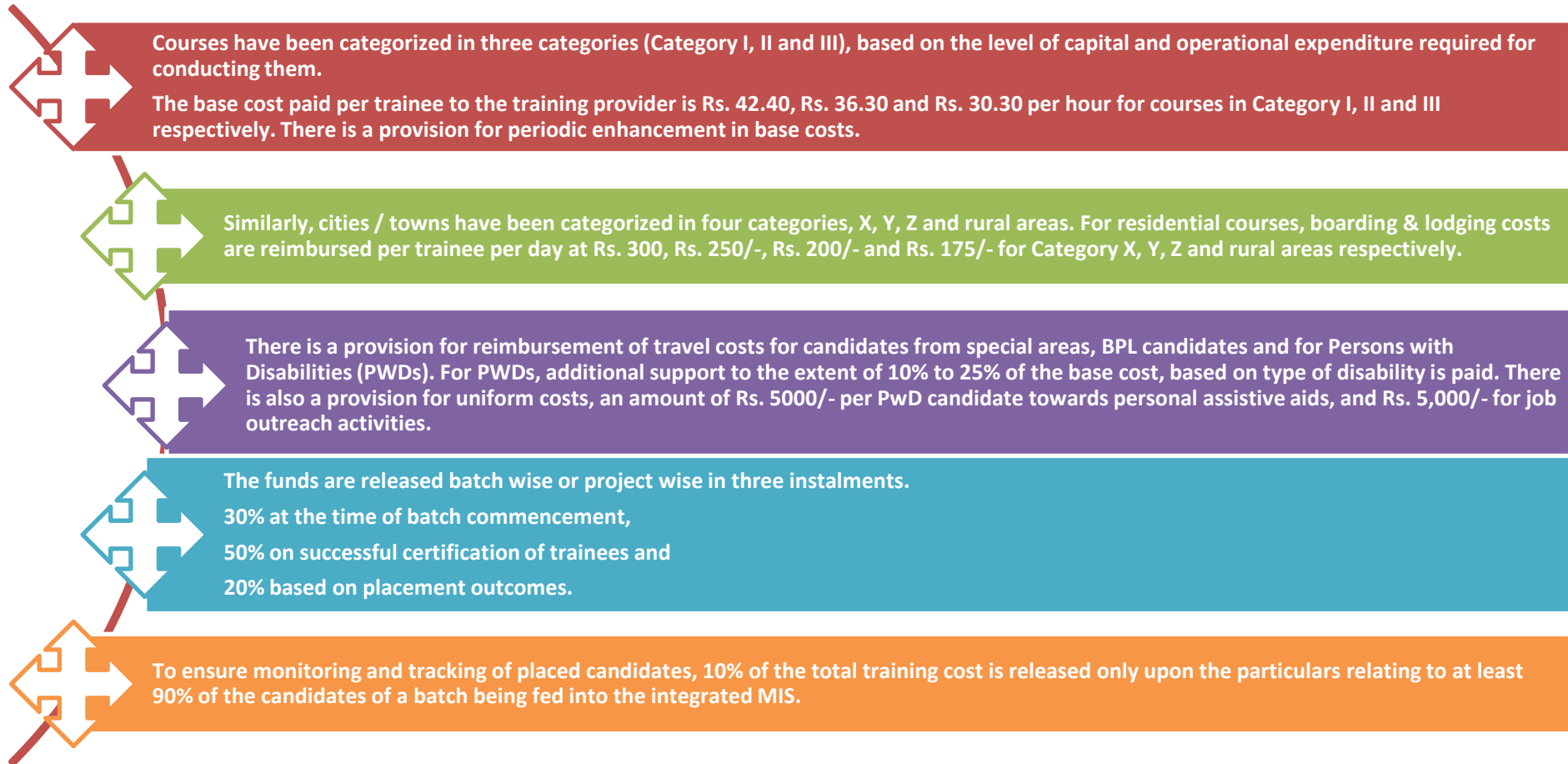


### Input standards

- Training centers need to have adequate infrastructure & capacity, especially training aids and equipment.
- The trainers need to have suitable qualifications / experience and need to undergo Training of Trainers (ToT) program.
- The content should be industry relevant & conform to NSQF requirements.
- Enrollment of trainees and trainers has been linked to Aadhar. This would prevent frauds and eliminate the possibility of same person enrolling multiple times.

### Outcomes from Skill Development

- Common Norms have set a target of at least 70% employment (both wage and self) within three months of completion of training, with wages being equal to or greater than prescribed minimum wages.
- For at least 70% of persons who undergo reskilling or skill upgradation, it targets an increase of a minimum of 3% in wages, within 14 months of training completion.
- Similar kinds of outcomes are defined for persons who are assessed and certified under RPL.





Common norms have helped to harmonise the various schemes, and bring base level consistency in input, process and output metrics.

This is likely to enable a common framework, improve quality and bring consistency across stakeholders.

Alignment of courses, assessment and certification with NSQF will enable mobility of skilled candidates across states and simplify recruitment criteria for employers.

Bio-metric validation of Aadhar numbers will eliminate multiple enrolments by the same candidate across different schemes

This could in future also build the MIS and database of the candidates for the skill trainings taken by them and track the impact on their career growth.

## Annexure – I: Minutes of Meetings with Stake Holders

Agenda Item: Skill Development and Safety Training Centre Project Detailing.

<p><b>Present at meeting:</b></p>	<p><b>From MSCL:</b> Mr. Mohammed Nazeer, MD, MSCL and Municipal Commissioner, MCC. Mr. Abdul Rehman, Executive Engineer, MSCL, Mr, Shabarish Patwal, ICT Manaqer, MSCL Ms. Preema Moras, Executive Assistant, MSCL</p> <p><b>From Government ITI:</b> Mr. Giridhar Salian, Princioal. KGTTI &amp; Govt. ITI-Men Mr. A. Balakrishna, Principal, Govt. ITI-Women Mr. B,N.Kumbar, Principal, Polytechnic for Women Mr. Javadevappa, Lecturer, KPT</p> <p><b>From Mangaluru Smart City PMC:</b> Mr. Nelson Pais, Team Leader, PMC Dr. Uriaswala Vora, C-DAC Mumbai Mr. Pivush, WTESL Mr. Jayaraj, WTESL Ms. Seema Taqde, WTESL</p>		
<p><b>Meeting:</b></p>		<p><b>Date:</b></p>	<p><b>January 20, 2017</b></p>
<p><b>Agenda Item</b></p>	<p><b>Matters arising from meeting / Actions Agreed</b></p>	<p><b>Who Responsible</b></p>	<p><b>By When</b></p>
<p><b>1.</b></p>	<p>The PMC team presented the DPR for the Smart City Project: Skill Development and Safety Training Centre. PMC explained that the earlier concept that was based on the PPP model was approved by KUIDFC. But the based on MD, MSCL’s rightful suggestion the concept was updated so as the 6 Government institutions were to run the courses aligned with 65 Smart City Projects so that employability of the students can be provided through these projects.</p> <p>The MES course list was then aligned with the skill set required by the remaining 64 smart city projects.</p> <p>The courses were chosen by the government institutions (KGTTI, Government ITI Men, Government ITI Women, GTTC, KPT and WPT) for running by their institutes.</p>		

	<p>MSCL approved 35 courses from the 11 sectors from MES course list.</p> <p>The PMC suggested in the DPR that the course list to be approved as per the process and guidelines given by state/national level vocational education process. The same process also provides the Funding Options as per Common Norms Amendment by Ministry of Skill Development and Entrepreneurship. Option 1 is for meeting the capital expenditure for creation/up gradation of infrastructure for skill development training. Option 2 is for meeting the recurring cost of training individual trainees including the placement costs.</p> <p>PMC suggested in DPR to go for Option 1 as per earlier discussions with MD, MSCL as the convergence with the schemes such as PMKVY have provision for funding of type Option 2. PMC also had collected the BoQ required to conduct the selected courses by each of the 6 institutions.</p>		
<p>2.</p>	<p>The principal of the government institutions requested MSCL for a distinct process to be followed in the Smart City project execution based on their prior experiences in conducting such courses. They requested that there should be an initial release of some corpus funds as advance so as it will serve as a strong basis for setting up the equipments' infrastructure along with the teaching framework could be formed. The starting point for such a release will be their setting up a target for number of students to be trained under selected courses for the Smart City Skill Development and Safety Training project.</p>		
<p>3.</p>	<p>The discussion among the Principals of Institutions and MSCL along with PMC team came up with following process flow: The 6 government training institutes decide on the number of students they will train in the courses shortlisted by their own institute</p>		

	<p>across 5 years. Based on the course hours required for each of the course and the students targeted by each institute overall funding to be released to that institution will be calculated by the PMC team. The per course-hour per student rate was to be decided around Rs. 30 for all the courses. The 30% release of the total funds estimated for each institution will be given in the beginning of the project implementation. The remaining 70% to be equally distributed across 5 years in ideal situation. The actual release will depend on the number of students actually trained by the institute in the given year. MSCL will set up a committee to assess, evaluate and approve the release of these funds every year along with the audits/reviews to be conducted by them during the year, especially during the course conductions. Final year funds will be decided by adjusting all the earlier releases and the target achieved in totality by the institute. The institute heads assured that they will repay if the funds are not utilized. The agreement to formalize the process will be signed by the institutes with MSCL.</p>		
4.	MD, MSCL instructed the institute heads to come out with innovative ideas for new course or upgrade with new technology for the existing course which will generate employment opportunities.		
5.	PMC team agreed to share the format with the institute heads for sharing their targets.	PMC	January 22, 2018
6.	The institute heads agrees to share the targets with PMC.	Government Technical Training Institutes	January 24, 2018
7.	PMC team to share the DPR with updated concept and financial estimates with MSCL in a week after receiving the targets.	PMC	February 01, 2018