

ITI PROFILE

INDUSTRIAL TRAINING INSTITUTE FOR WOMEN GUWAHATI



**Directorate of Employment and Craftsmen Training
Rehabari, Guwahati, Assam**

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A. Baseline Characteristics of Government ITIs

Government Industrial Training Institute for Women, Guwahati is a premier women-exclusive vocational training institute located in the urban centre of Kamrup Metropolitan district at A.K. Azad Road, Rehabari, Guwahati (PIN: 781008). Established in 1987, the institute has been serving as a key hub for women's skill development in Assam for the past 38 years. The ITI is currently graded at 7.4 and offers a diverse range of eight long-term CTS trades across engineering and non-engineering disciplines, with a total seating capacity of 264 trainees. Key trades include Computer Operator and Programming Assistant, Draughtsman Civil, Electronics Mechanic, Cosmetology, Fashion Designing & Technology, Front Office Assistant, Internet of Things (Smart Healthcare), and Secretarial Practice. The institute is managed under the leadership of the Superintendent and is supported by an active Institute Management Committee (IMC) notified in 2014, with Assam Petroleum Pvt. Ltd. as the Industry Partner. With its strategic location, established infrastructure, and focus on emerging and women-centric trades, the institute is well-positioned for further upgradation and introduction of new-age courses under the PM-SETU framework.

Institute Details

SN	Particulars	Detail
1.	Institute Name	Government Industrial Training Institute for Women Guwahati(GU18000022) (Spoke)
2.	Institute Location: (Rural/Urban)	Urban
3.	Is it Women ITI Only? (Yes / Co-ed)	YES
4.	Pin Code	781008
5.	Email Id	Itiwg2012@gmail.com
6.	Mobile No	9859929495
7.	District	Kamrup Metro
8.	Complete address	A K Azad Road, Rehabari, Guwahati-08
9.	Latitude	26.172863
10.	Longitude	91.747828
11.	Year in operation	Since 1987 (38 years)
12.	Current grading of ITI	7.4

1. Current ITI management and IMC composition (if IMC is present)**a. Details of Head of the ITI**

SN	Particulars	Detail
1	Name	Barnali Lahkar Bania
2	Designation (Sr. Principal/ Principal/ Superintendent)	Superintendent
3	Email	ltiwg2012@gmail.com
4	Mobile	9859929495

b. Availability of Institute Management Committee (IMC)

SN	Particulars	Available
a.	Institute Management Committee (IMC) (Yes/ No)	Yes
b.	If Yes, name of Industry Partner	Assam Petroleum Pvt. Ltd.
c.	Date of Notification of the IMC	2014

c. IMC composition:

SN	Name of Member	Designation in IMC	Category / Representation	Organization
i.	Sri Manohar Choudhary	Chairman	Industry	Assam Petroleum pvt.ltd.
ii.	Smt. Barnali Lahkar Bania	Member secretary	Superintendent	ITI for Women Guwahati
iii.	Official from dist. Employment exchange, Guwahati	Member	Govt	Dist. Employment exchange, Guwahati
iv.	Mr. Pinku goswami	Member	Industry	Assam petroleum pvt. Ltd.
v.	Smt Neera Sharma	Member	Industry	Women entrepreneur and bamboo lady
vi.	Mrs. Lakhimi Barua Bhuyan	Member	Industry	Women Entrepreneur & Owner Zangfai (Assamese jewellery)
vii.	Mrs. Tripti Laltanpui Ralte	Member	Industry	Fashion designer & owner "West Apparel"
viii.	Sri Pramod Das	Member	Faculty	ITI for Women Guwahati
ix.	Trinee representative	Member	Trainee	ITI for Women Guwahati

2. List of courses offered- Trade and Unit details

SN	Trade Name	Trade Type (Engineering / Non-Engineering Trades)	Trade affiliation (NCVT/ NIMC/ SCVT/ SIMC)	No. of Unit			
				Shift 1	Shift 2	Shift 3	Total
1.	Computer Operator and Programming Assistant	Non -Engineering	NIMC and SIMC	1	1	-	2
2.	Cosmetology	Non -Engineering	NCVT and NIMC	1	-	-	1
3.	Draughtsman Civil	Engineering	NCVT and SIMC	1	1	-	2
4.	Electronic Mechanics	Engineering	NCVT and NIMC	1	1	-	2
5.	Fashion Designing & Technology	Non-Engineering	NIMC	1	-	-	1
6.	Front Office Assistant	Non-Engineering	NIMC	1	-	-	1
7.	Internet of Things (Smart Healthcare)	Non-Engineering	NIMC	1	-	-	1
8.	Secretarial Practice	Non-Engineering	NCVT and NIMC	1	1	-	2
Total				8	4	-	12

* NIMC- NCVT under IMC, ** SIMC- SCVT under IMC

3. Number of enrolled Trainees in the last three years

(for courses, by gender and category –General, SC, ST, OBC & PwD)

SN	Trade Name	Course Type	Year	Total Enrolled			By Category				
		(NCVT /NIMC/ SCVT / SIMC)	(2022-23/ 2023-24/ 2024-25)	Male	Female	Total	General	SC	ST	OBC	PwD (if any)
1.	Secretarial Practice	NCVT	2022-23	-	21	21	11	2	2	6	-
2.	Cosmetology	NCVT	2022-23	-	16	16	6	4	4	2	-
3.	Electronic Mechanics	NCVT	2022-23	-	19	19	8	3	5	3	-
4.	Secretarial Practice	NCVT(IMC)	2022-23	-	10	10	4	2	1	3	-
5.	Cosmetology	NCVT IMC	2022-23	-	3	3	2	-	1	-	-
6.	Front office Assistant	NCVT IMC	2022-23	-	7	7	3	1	2	1	-
7.	IOT Smart Health Care	SCVT IMC	2022-23	-	8	8	3	1	1	3	-
8.	Computer Operator and Programming Assistant	SCVT IMC	2022-23	-	5	5	2	1	1	1	-
9.	Computer Operator and Programming Assistant	NCVT IMC	2022-23	-	18	18	8	2	4	4	-
10.	Draughtsman Civil	SCVT IMC	2022-23	-	13	13	6	2	-	5	-
11.	Draughtsman Civil	NCVT	2023-24	-	23	23	10	3	-	10	-
12.	Cosmetology	NCVT	2023-24	-	22	22	11	4	2	5	-
13.	Secretarial Practice	NCVT	2023-24	-	19	19	10	3	-	6	-
14.	Computer Operator and Programming Assistant	NCVT IMC	2023-24	-	15	15	7	1	2	5	-
15.	Computer Operator and Programming Assistant	SCVT IMC	2023-24	-	3	3	2	-	-	1	-
16.	Fashion Designing & Technology	NCVT IMC	2023-24	-	13	13	4	2	3	4	-
17.	Secretarial Practice	NCVT IMC	2023-24	-	13	13	4	3	2	4	-
18.	Internet of Things (Smart Healthcare)	NCVT IMC	2023-24	-	5	5	2	1	-	2	-
19.	Front Office Assistant	NCVT IMC	2023-24	-	5	5	1	1	1	2	-

SN	Trade Name	Course Type	Year	Total Enrolled			By Category				
		(NCVT /NIMC/ SCVT / SIMC)	(2022-23/ 2023-24/ 2024-25)	Male	Female	Total	General	SC	ST	OBC	PwD (if any)
20.	Cosmetology	NCVT IMC	2023-24	-	1	1	-	1	-	-	-
21.	Secretarial Practice	NCVT	2024-25	-	10	10	5	1	1	3	-
22.	Cosmetology	NCVT	2024-25	-	15	15	9	1	2	3	-
23.	Draughtsman Civil	SCVT IMC	2024-25	-	11	11	6	-	1	4	-
24.	Electronic Mechanics	NCVT IMC	2024-25	-	-	-	-	-	-	-	-
25.	Secretarial Practice	NCVT IMC	2024-25	-	2	2	1	-	1	-	-
26.	Computer Operator and Programming Assistant	NCVT IMC	2024-25	-	6	6	3	-	2	1	-
27.	Computer Operator and Programming Assistant	SCVT IMC	2024-25	-	-	-	-	-	-	-	-
28.	Fashion Designing & Technology	NCVT IMC	2024-25	-	16	16	4	2	6	4	-
Total				-	299	299	132	41	44	82	-

4. Number of graduates last year by courses

(for courses, by gender and category General/SC/ST/OBC) and specify proportion who are employed and other information about labour market outcomes.

SN	Trade Name	Course Type (NCVT /NIMC/ SCVT / SIMC)	Total Graduates (Last Year) by Gender			By Category					Employment Outcomes (Number)			
			Male	Female	Total	Gen	SC	ST	OBC	PwD	Employed	Self- Employed	Higher Education	Unemployed
1.	Secretarial Practice	NCVT		10	10	5	1	1	3	-	2	-	-	8
2.	Secretarial Practice	NIMC		2	2	1	-	1	-	-	2	-	-	-
3.	Cosmetology	NCVT		15	15	9	1	2	3	-		15	-	-
4.	Draughtsman Civil	SIMC		11	11	6	-	1	4	-	-	-	-	-
5.	Computer Operator and Programming Assistant	NIMC		6	6	3	-	2	1	-	2	-	2	2
6.	Fashion Designing & Technology	NIMC		16	16	4	2	6	4	-	-	16	-	-
Total				60	60	28	4	13	15	60	6	31	2	2

5. Number of Instructors

(Total disaggregated gender wise data, types of contracts, sanctioned post, vacancies by course, by gender).

SN	Trade name	Trade affiliation (NCVT/ NIMC/ SCVT/ SIMC)	No. of units available	No. of position required	No. of sanctioned post	Instructor in position					Vacancy Regular
						Regular	Engaged under IMC	Total			
								Male	Female	Total	
1	Computer Operator and Programming Assistant	NIMC and SIMC	2	2	-	-	1	-	1	1	-
2	Cosmetology	NCVT	1	1	1	1	-	-	1	1	-
3	Draughtsman Civil	NCVT and SIMC	2	2	1	1	1	1	1	2	-
4	Secretarial Practice	NCVT and NIMC	2	2	1	1	1	-	2	2	-
5	Electronic Mechanics	NCVT and SIMC	2	2	1	-	1	-	1	1	1
6	Fashion Designing & Technology	NIMC	1	1	-	-	1	-	1	1	-
7	Front Office Assistant	NIMC	1	1	-	-	1	-	1	1	-
8	Internet of Things (Smart Healthcare)	NIMC	1	1	-	-	1	-	1	1	-
Total			12	12	4	3	7	1	9	10	1

6. Staff Detail- Administrative staff

SN	Trade name	No. of position required	No. of sanctioned post	Available staff			Vacancy (Regular)
				Regular	Engaged under IMC	Total	
1.	Superintendent	1	1	1	-	1	-
2.	Senior Assistant	1	1	1	-	1	-
3.	Junior Assistant	1	1	1	-	-	-
4.	Store- Keeper	1	1	-	-	-	1
5.	Grade-IV	2	2	1	-	-	1
6.	Sweeper	1	1	-	-	-	1
7.	Workshop Attendant	2	2	1	1	-	1
Total		9	9	5	1	2	4

7. Size and condition of classroom and workshop facilities including other amenities

SN	Particulars	Available
1.	Total Plot Area (in Acres/ Bigha)	0.33 acre (3 Bigha)
2.	No. of RCC building available (Mark NA, if not available)	1 No.
3.	No. of Non-RCC Building available (Mark NA, if not available)	2 Nos.
4.	No. of Rooms available in the building	Classroom: 3 Nos. Workshop: 8 Nos.
5.	Staff Quarter Available (Yes/No)	Not available
6.	Hostel Available – Boys & Girls (Yes/No)	Yes (50 trainees)
7.	Size of the Classroom	a. Classroom 1: 30 Sqm b. Classroom 2: 30 Sqm c. Classroom n: 30 Sqm Total Areas: 90 Sqm
8.	Size of the Workshop(Sqm)	i. Workshop 1: 80 sqm ii. Workshop 2: 80 sqm iii. Workshop 3: 80 sqm iv. Workshop 4; 80 sqm v. Workshop 5 ; 80 sqm vi. Workshop 6 ; 80 sqm vii. Workshop 7 ; 70 sqm viii. Workshop 8 ; 60 sqm Total Workshop Area: 610 Sqm
9.	Total building area (In square meter)	1500 Sqm
10.	Boundary Wall available (Yes/No)	YES
11.	Total Seat capacity (SCVT, NCVT and IMC trades)	264
12.	IT laboratory (Yes/ No)	YES
13.	Drawing Hall(Yes/ No)	YES
14.	Principal Room(Yes/ No)	YES
15.	Staff Room(Yes/ No)	YES
16.	Administration Hall (Yes/ No)	NO (Requirement 50 Sqm)
17.	Placement/Counselling Room(Yes/ No)	YES
18.	Reception cum Waiting Lobby (Yes/ No)	NO (Requirement 50 Sqm)
19.	Multipurpose Hall / Courtyard (Yes/ No)	NO (Requirement 110 Sqm)

SN	Particulars	Available
20.	Library Reading Room (Yes/ No)	NO (Requirement 40 Sqm)
21.	Canteen (including kitchen & pantry) (Yes/ No)	NO (Requirement 110 Sqm)
22.	First Aid Room (Yes/ No)	NO (Requirement 15 Sqm)
23.	Storage room for raw material and for gases/oil drums etc.(Yes/ No)	YES
24.	Separate Toilets (Yes/ No)	Male : 2 Female : 8 Divyang : Nil
25.	Women Facilitation & Counselling Desk(Yes/ No)	YES
26.	Alumni & Placement Tracking Cell (Yes/ No)	YES
27.	Security & Access Control Point(Yes/ No)	NO (Requirement 15 Sqm)
28.	Availability of Ramps and Infrastructure necessary for disabled persons (yes/no)	YES
29.	Plot Entrance Gate (Yes/ No)	YES
30.	Building Entrance Gate (Yes/ No)	YES
31.	Vacant available land for new construction (Sqm)	NO
32.	Parking Area (Yes/ No)	YES

8. Availability of 3-phase power, backup (DG sets), and water supply

SN	Utility Item	Availability (Yes/No)	Capacity / Specification	Remarks
1	3-Phase Power Supply	YES	Load: 100 KW	
2	Backup Power (DG Set)	YES	DG: 40 KVA	
3	Water Supply Facility	YES	Source: Normal Boring	

9. Detailed Equipment Inventory

A comprehensive list of existing machinery and equipment, including their approximate age and its current functional status

Details of equipment inventory are attached as **Appendix-I**

10. Internal Revenue Generated (IRG) in the last 3 years

(e.g., through production centers, spare part manufacturing, or external training)

(in lakh)

SN	Non-Government Revenue Source (Industry/CSR/Production/Training)	FY 2022-23	FY 2023-24	FY 2024-25	Remarks
1	Spare part manufacturing	Nil	Nil	Nil	
2	Production Centre Revenue	-	0.25	0.34	
3	External Training (i.e. PMKVY, Jal Mitra etc.)	Nil	Nil	Nil	
4	Other (Collection from hostel)	0.30	2.27	6.81	
	Total	0.30	2.52	7.15	

11. Composition of Internal Complaint Committee (ICC)

(GRMs registered/resolved, trainings undertaken, submission of annual reports)

SN	Member Name	role in ICC	Gender	Designation
1	Smt. Barnali Lahkar Bania	Chairperson	F	Superintendent
2	Sri Pramod Das	Member	M	Instructor
3	Md. Talabur Rahman	Member	M	Sr. asstt
4	Miss Salma Begum	Member	F	Student Representative
5	Smt. Neera Sarmah	External Member	F	NGO / Expert

a) ICC Functioning and Effectiveness (Workplace Safety Monitoring)

Year	Grievances Registered (GRM)	Grievances Resolved	Pending	Annual Report Submitted to DECT/ DGT (Y/N)	Remarks
2022-23	No	No	No	No	No
2023-24	No	No	No	No	No
2024-25	No	No	No	No	No

B. Indicative Upgradation Requirements Identified by the State

1. Civil Infrastructure Upgradation

Under the PM-SETU scheme, comprehensive civil upgradation is proposed to enhance and modernize the existing infrastructure of the institute. The current built-up area of approximately 1,500 sqm requires refurbishment, repair, and improvement to align with the latest NCVT/NCVET standards, ensuring a safe, functional, and future-ready training environment. In addition, a Centre of Excellence (CoE) with a built-up area of 826 sqm has been newly established in collaboration with Tata Technologies Ltd., supporting the introduction of emerging Industry 4.0 aligned trades.

Further, while one residential quarter for Grade-IV staff is available, it requires repair and renovation. Additional residential quarters for the ITI Superintendent and staff are also proposed to strengthen institutional support infrastructure and improve on-campus staff availability for effective training delivery and governance. Hostel facilities for both boys and girls are also under construction, which will further enhance the institute's training ecosystem and support increased trainee participation, particularly from remote areas.

1.1 New Construction Projects (indicative)

SN	Project	Details of required Rooms	Estimated Plinth Area (sqm)	Rate (Rs. /sqm)	indicative Amount (in Cr.)
1	New Academic Block	Classroom and Workshop (6 new trades), <i>Administration Hall, Placement/ Counselling Room, Reception cum Waiting Lobby, Multipurpose Hall / Courtyard, Library Reading Room, Canteen (including kitchen & pantry), First Aid Room</i> Other amenities etc. (650 new trades + 390 deficit <i>infra</i>)	1040	Rs. 30,920 (CPWD PAR 2025 -College)	3.22
2	Electrical installation	In all newly constructed area	1040	12.5% of total budget estimate	0.40
4	Quarter	Principal	180	Rs. 24,410 (CPWD PAR 2025 - Hostel/Quarter)	0.44
		Staff	90		0.22
		4 th Grade staff	60		0.15
	Electrical installation	In all Quarter	270	12.5% of total budget estimate	0.10
Total indicative cost (in Cr.)					4.53

1.2 Repair, Renovation & Upgradation Projects (Existing ITI Infrastructure)

Project	Details of required Rooms	Estimated Plinth Area (sqm)	Rate (Rs. /sqm)	indicative Amount (in Cr.)
Existing Academic & Administrative Block	i. Classroom and Workshop ii. Library and Reading Room iii. Separate Toilets (Male / Female) iv. Ramps and infrastructure for person with disabilities	1500	40% of equivalent new construction cost (Rs. 30,920) (industry standard)	1.86

1.3 Scope Covered under this Cost Framework

The indicative cost framework includes the following components:

- Civil and structural repairs, refurbishment, and strengthening works
- Upgradation and modernization of workshops, laboratories, and training spaces
- Electrical systems, plumbing and sanitation works, and installation of fire detection and firefighting arrangements
- Accessibility provisions for Divyangjan and other statutory safety and compliance-related works as per applicable norms

1.4 ITI Modernization & Supporting Works (Lump Sum Benchmarks – Over and Above Renovation)

SN	Project	Indicative Lump Sum Range (in crore)
1	Furniture for classrooms, labs & offices (existing & New)	5.00
2	Fixed workshop fittings & partitions	1.50
3	CCTV surveillance & access control	0.30
4	Campus Wi-Fi & IT networking	0.20
5	Signage, branding & wayfinding	0.20
6	Landscaping & green campus development	0.30
Total indicative cost (in Cr.)		7.5

2. Existing Trade to be upgraded and new trade to be introduced:

Under the PM-SETU scheme, the Hub-and-Spoke ITI cluster proposes upgradation of training infrastructure for the existing trades currently being conducted in the institute. The upgradation will include modernization of tools, equipment, workshops, and training delivery systems to align with the latest NCVT/NCVET norms and evolving industry requirements.

In addition, select new and emerging trades are proposed to be introduced to support Industry 4.0, green skills, and future-ready workforce development. The proposed interventions are aligned with PM-SETU Curriculum and Training Quality benchmarks, including:

- a. Upgradation of CTS courses as per industry requirements
- b. Introduction of new CTS courses in emerging sectors
- c. Launch of short-term industry-oriented courses at cluster level
- d. Industry validation of learning outcomes through a Positive Feedback Index

a. Upgradation of CTS courses as per industry requirements

i. Existing trades need to be upgraded

SN	Trade Name	Trade Type	No. of Unit			Upgrade required	Upgrade required (in Cr.)
			Shift 1	Shift 2	Total		
1.	Draughtsman Civil	Engineering	1	1	2	Yes	0.30
2.	Fashion Designing & Technology	Non-Engineering	1	-	1	Yes	0.25
3.	Secretarial Practice	Non-Engineering	1	1	2	Yes	0.20
Total amount (in Cr.)							0.75

** Operationalize from 2025 ** will be operationalized from 2026*

b. Introduction of new CTS courses in emerging sectors

The proposed list of new trades is indicative and has been identified based on emerging industry requirements, local market demand, and future employment opportunities. These demand-driven trades are aligned with evolving technologies, sectoral growth trends, and Industry 4.0 readiness, with the objective of improving trainee employability under the PM-SETU framework.

In line with PM-SETU targets, the project envisages:

- i. Upgradation of 10 trades per Hub ITI and 8 trades per Spoke ITI
- ii. Introduction of 4 new CTS trades per Hub ITI and 2 new CTS trades per Spoke ITI
- iii. Launch of 10 short-term placement-linked courses per Hub-and-Spoke cluster

The Industry Partner may select trades from the indicative list and may also propose additional demand-driven trades based on sectoral focus and workforce requirements.

Trade Requirement for Government ITI for Women, Guwahati

i. Long Term Trade:

As per the PM-SETU framework, a minimum of eight trades are required to be upgraded in each Spoke ITI. Government ITI for Women, Guwahati currently offers eight existing trades. However, two trades have

been newly introduced and three trades were upgraded in 2023 under the STRIVE scheme.

Accordingly, only the remaining three trades are proposed for upgradation under PM-SETU. To meet the minimum requirement of eight upgraded trades, it is also proposed to introduce two to four additional new trades.

Further, since PM-SETU mandates introduction of at least two new trades in each Spoke ITI, a total of four to six new trades are proposed at Government ITI for Women, Guwahati to meet both upgradation and new trade introduction requirements.

Indicative List of Long-Term Trades

A. High-End Trades (Advanced Infrastructure Intensive)

SN	Name of Indicative New Trade	Indicative Cost (in Cr.)	Remarks
1	Technician Mechatronics	2.46	
2	Drone Pilot (Junior)	1.75	
3	Semiconductor Technician	2.50	
4	Manufacturing Process Control & Automation	2.00	

B. Medium-End Trades (Moderate Equipment and Technology Requirement)

SN	Name of Indicative New Trade	Indicative Cost (in Cr.)
5	Lift and Escalator Mechanic	1.50
6	Drone Technician	1.31
7	Technician Medical Electronics	1.30
8	Mechanic Auto Electrical & Electronics	1.00
9	Radiology Technician (Simulation-based Model)	1.00

C. Low-End Trades (Lower Capital Requirement, Mostly Digital/Simulation Based)

SN	Name of Indicative New Trade	Indicative Cost (in Cr.)
10	Virtual Analysis and Designer – FEM	0.90
11	Artificial Intelligence Programming Assistant	0.90

Centre of Excellence (CoE) under Tata Technologies Ltd.

Additionally, as per the Memorandum of Agreement (MoA) signed between the Government of Assam and Tata Technologies Ltd., a Centre of Excellence (CoE) is proposed to be established at Government ITI for Women, Guwahati. The PWD (Building) Department, Government of Assam, is entrusted with the construction of the CoE building.

Tata Technologies Ltd. will provide the necessary tools and equipment support covering six long-term Industry 4.0 aligned trades and twenty-three short-term courses. Under PM-SETU, only the operation and

maintenance (O&M) of the CoE will be supported through scheme funding.

List of Long term trades for CoE-

- i. Basic Designer and Virtual Verifier
- ii. Industrial Robotics & Digital Manufacturing
- iii. CNC Machining Technician
- iv. Mechanic Electric Vehicle
- v. Manufacturing Process Control & Automation
- vi. Artisan using Advanced Tools

List of short-term trades for CoE-

- | | |
|---|-------------------------------------|
| 1. Innovation & Design Thinking | 13. Battery Electric Vehicle |
| 2. Fundamentals of Product Design | 14. Internet of Things |
| 3. Product Design & Development | 15. Advance Machining |
| 4. Auto Electrical Design & Development | 16. Advance Machining (CNC Lathe) |
| 5. Product Verification and Analysis | 17. Advance Machining (CNC Milling) |
| 6. Computer Aided Machining | 18. Advanced Additive Manufacturing |
| 7. Advanced Computer Aided Machining | 19. Advanced Welder |
| 8. Process Control & Automation | 20. Advanced Painting Technology |
| 9. Fundamentals of Automobile Engineering | 21. Industrial Robotics I |
| 10. Advanced Automobile Engineering | 22. Industrial Robotics II |
| 11. Automobile Maintenance, Repair and Overhaul | 23. Advanced Plumbing |
| 12. Auto Electrical Maintenance | |

ii. Short Term Courses:

As per PM-SETU targets, the Industry Partner shall introduce 10 short-term courses per Hub-and-Spoke ITI cluster. Such short-term courses may be placement-linked and may be proposed based on the Industry Partner's sectoral focus and workforce requirements. The short-term courses shall be designed in convergence with the existing trades and training infrastructure available in the respective ITIs, ensuring optimal utilization of existing tools, equipment, and workshop facilities, and complementing the long-term CTS programs.

A typical 2–3 month industry-linked short-term course involves:

- i. Curriculum customization and course design
- ii. Trainer honorarium or industry expert sessions
- iii. Consumables and training materials
- iv. Assessment and certification costs
- v. Placement linkage and mobilization
- vi. Minor tools/software support (if required)

An indicative provision of Rs. 60–80 lakh per Hub-and-Spoke cluster is proposed for introduction of 10 placement-linked short-term courses, covering curriculum development, trainer support, consumables, certification, and industry interface activities.

Accordingly, this includes an average of 2 short-term courses per Spoke ITI, with an indicative requirement

of Rs. 12–16 lakh per Spoke ITI for introducing such courses, as per PM-SETU targets.

Indicative list of short term courses:

The following short-term courses are indicative and may be taken up under the PM-SETU framework based on local industry demand and placement potential. The Industry Partner may also introduce additional short-term courses as per their sectoral focus, workforce requirements, and operational expertise.

- | | |
|---|--|
| 24. Advanced Computer Aided Machining | 36. Product Design & Development |
| 25. Advanced Plumbing | 37. CNC Operator and Basic CNC Programming |
| 26. Advanced Welder | 38. Computer Hardware & Network Support Technician |
| 27. Automobile Maintenance, Repair and Overhaul | 39. Cyber Security Fundamentals |
| 28. Battery Electric Vehicle | 40. Drone Service and Maintenance Assistant |
| 29. Computer Aided Machining | 41. Entrepreneurship and Startup Development |
| 30. Fundamentals of Automobile Engineering | 42. EV Battery Maintenance and Safety |
| 31. Industrial Robotics I | 43. Industrial Automation Technician (PLC Basics) |
| 32. Industrial Robotics II | 44. Medical Equipment Maintenance Assistant |
| 33. Innovation & Design Thinking | 45. Soft Skills and Workplace Communication |
| 34. Internet of Things | 46. Solar PV Installation Technicia |
| 35. Process Control & Automation | |

3. Indicative Manpower Requirement & Cost for Newly Proposed Trades

The indicative manpower requirement has been projected to address existing instructor vacancies in key trades and to support the effective rollout of newly proposed trades under the PM-SETU upgradation framework. In addition, dedicated human resources are envisaged for strengthening placement and career support through the engagement of a Placement-cum-Counsellor Officer (TCPEC), as well as for enhancing international mobility opportunities through a Foreign Language Instructor. Accordingly, the manpower cost estimates have been calculated with a provision of 10% annual increment over a five-year period.

SN	Manpwer category	Proposed manpower for			Remuner ation per Month	Cost with 10% Annual increment					Cost for 5 Yrs. (in Lakh)	Remarks
		Vacant position	new position	Total		Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr. 5		
1	Trade Instructor (for existing vacancy, proposed new unit in existing CoE trades and proposed 2 new trades in spoke)	9	22	31	25000	27.00	95.70	105.27	115.80	127.38	471.14	Existing vacancy (Regular): Electronic Mechanics (1) Existing trade under IMC: Computer Operator and Programming Assistant, Draughtsman Civil, Secretarial Practice, Electronic Mechanics, Fashion Designing & Technology, Front Office Assistant and Internet of Things (Smart Healthcare) (8) New position for: Basic Designer and Virtual Verifier, Industrial Robotics & Digital Manufacturing, Mechanic Electric Vehicle, CNC Machining Technician, Manufacturing Process Control & Automation and Artisan using Advanced Tools (10) New position for: Six new trades (12) (2 trade for Spoke and 4 trades against upgradation of existing trades)
2	<i>Manager</i>	-	1	1	60000	7.20	7.92	8.71	9.58	10.54	43.96	The Manager Operations shall

SN	Manpwer	Proposed manpower for			Remuner	Cost with 10% Annual increment					Cost for	Remarks
	<i>Operations-1 each Hub & Spoke ITI</i>											support day-to-day implementation and coordination of PM-SETU activities at the institute level
3	<i>Placement cum Counsellor Officer - TCPEC</i>	-	1	1	40000	4.80	5.28	5.81	6.39	7.03	29.31	shall be responsible for strengthening trainee career guidance, apprenticeship linkages, and placement outcomes
4	<i>Foreign Language Instructor</i>	-	1	1	60000	7.20	7.92	8.71	9.58	10.54	43.95	The Foreign Language Instructor shall support the institute's objective of enhancing international employability and global mobility opportunities for trainees
Total		9	25	34		46.20	116.8 2	128.5 0	141.3 5	155.4 9	588.36	

4. Indicative Annual Recurring Expenditure

4.1 Training Delivery - *Indicative Recurring Expenditure*

The table below presents the **trade-wise recurring expenditure requirements** for Government ITI Morigaon under PM-SETU. These estimates are based on the approved units and training capacity of each trade and cover essential components required for effective delivery of training, including:

- i. Consumables and raw materials for practical training
- ii. Training of Trainers (ToT)
- iii. Instructor and supervisor exposure visits
- iv. Field visits for trainees within Assam
- v. On-the-Job Training (OJT) support

This trade-wise costing provides the baseline for strengthening hands-on training quality and improving employability outcomes.

4.2 Institute-level Enabling Facilities and Recurring Support

In addition to trade-specific requirements, certain common institutional facilities and support systems are proposed to be strengthened under PM-SETU to enable a modern and learner-friendly campus ecosystem. These include:

- i. Digital course content and immersive learning support (AR/VR Lab)
- ii. Foreign Language Lab facilities
- iii. Utilities (electricity, water supply, internet connectivity)
- iv. Hostel-related recurring provisions (Boys' and Girls' hostels)
- v. Contingency provisions for operational sustainability
- vi. Institute-level recurring expenditure for trainee engagement and campus activities, including annual functions, skill fairs, sports events, cultural programmes, and festival observances

These institute-level components are essential for supporting Industry 4.0 readiness, digital governance, institutional vibrancy, and enhanced trainee experience.

4.3 Consolidated Five-Year Indicative Recurring Expenditure Summary

The combined trade-wise and institute-level recurring expenditures have been aggregated to provide an indicative five-year recurring expenditure framework for SIP planning under PM-SETU.

S N	Particulars	Amount for 5 Years(in Cr.)
1	Consumables / Raw Materials for Training (@Rs. 400 per month per trainee for engineering trade and (@Rs. 300 per month per trainee for engineering trade)	1.71
2	ToT (Rs. 20,000 per Instructor)	0.36
3	Exposure Visit for Instructor/ Supervisor (Rs. 40,000 per Instructor)	0.72
4	Field visit for trainees (within Assam @ 750 per trainee)	0.30
5	OJT for trainee (@400 per trainee)	0.16
6	Digital Course Content (AR VR Lab)	0.50
7	Foreign Language Lab	0.40
8	Utilities (Electricity, Water, Internet)- 1L per Month	0.60
9	Hostel Contingency per year	0.23
Total		4.98

5. Summary of Indicative Cost Estimates

The indicative cost estimates for upgradation of Government ITI Morigaon under the PM-SETU scheme have been prepared to cover key components such as civil infrastructure development, repair and renovation works, modernization of training facilities, upgradation of existing trades, introduction of new and emerging trades, and placement-linked short-term courses. The estimates also include manpower support and recurring operational expenditure for effective implementation.

SN	Component	Estimated Cost (in Cr.)
1	Civil Part- New Construction Projects	4.53
2	Civil Part- Repair, Renovation & Upgradation Projects	1.86
3	ITI Modernization & Supporting Works <i>(Furniture for classrooms, labs & offices, CCTV, Wi-Fi & IT networking, Signage, branding & way-finding Landscaping & green campus development)</i>	7.50
4	Estimated cost for upgradation of existing trade	0.75
5	Proposed New trade to be introduced- two trades	8.00
6	Short Term Courses	0.16
7	Manpower Cost	5.89
8	Recurring Expenditure <i>(Training materials, ToT, Exposure Visit, Field visit, OJT, AR VR Lab, Foreign Language Lab, Electricity, Water, Internet, Hostel Contingency etc.)</i>	4.98
Total indicative Amount (in Cr.)		33.67
Contingency (10%)		3.37
Grand Total Amount (in Cr.)		37.04

5.1 Year-wise Indicative Expenditure Plan (Five Years)

The year-wise indicative expenditure plan for Government ITI Morigaon has been structured over a five-year implementation period as per PM-SETU norms. Major capital investments such as civil construction, renovation, modernization works, and trade upgradation are proposed to be undertaken primarily in the initial years, while manpower support and recurring operational expenditure are distributed across all five years to ensure sustained functioning and outcomes.

SN	Component	Yr. 1	Yr. 2	Yr. 3	Yr. 4	Yr. 5	Total Cost for 5 Yrs. (in Cr.)
1	Civil Part- New Construction Projects (30:60:10)	1.36	2.72	0.45	-	-	4.53
2	Civil Part- Repair, Renovation & Upgradation Projects (40:60)	0.74	1.12	-	-	-	1.86
3	ITI Modernization & Supporting Works (40:60)	3.00	4.50	-	-	-	7.50
4	Estimated cost for upgradation of existing trade (50:50)	0.38	0.38	-	-	-	0.75
5	Proposed New trade to be introduced- two trades (50:50)	-	-	4.00	4.00	-	8.00
6	Short Term Courses (50:50)	0.08	0.08	-	-	-	0.16
7	Manpower Cost	0.46	1.17	1.29	1.41	1.55	5.89
8	Recurring Expenditure-(20%X5)	1.00	1.00	1.00	1.00	1.00	4.98
Total indicative Amount (in Cr.)		7.02	10.95	6.74	6.41	2.55	33.67
Contingency (10%)							3.37
Grand Total Amount (in Cr.)							37.04

Appendix-I

Detailed Equipment Inventory: A comprehensive list of existing machinery and equipment, including their approximate age and its current functional status

1. Computer Operator and Programming Assistant

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Trainees Tools/ Equipment	Desktop Computer	24	17		Yes
2	Trainees Tools/ Equipment	Wi-Fi Router	1	1		Yes
3	Trainees Tools/ Equipment	Switch	1	1		Yes
4	Trainees Tools/ Equipment	Laser Printer	1	1		Yes
5	Trainees Tools/ Equipment	Optical Scanner	1	1		Yes
6	Trainees Tools/ Equipment	LCD Projector	1	1		Yes
7	Trainees Tools/ Equipment	Projector Screen	1	1		Yes
8	Trainees Tools/ Equipment	Crimping Tool	5	1		Yes
9	Trainees Tools/ Equipment	Network Rack	1	1		Yes
10	Trainees Tools/ Equipment	Digital Multimeters	4	1		Yes
11	Trainees Tools/ Equipment	Screw Driver Set	4	1		Yes
12	Trainees Tools/ Equipment	Sound System	1	1		Yes
13	Software	MS Office	25	20		Yes
14	Software	Open Office or equivalent	1	1		Yes
15	Software	Tally	13	16		Yes
16	Other Items/ Furniture	Vacuum cleaner	1	1		Yes
17	Other Items/ Furniture	Chair and table for the instructor	4	2		Yes
18	Other Items/ Furniture	Dual Desk or Chair and Tables for Trainees	12	21		Yes
19	Other Items/ Furniture	Computer table	12	18		Yes
20	Other Items/ Furniture	Operators chair	24	19		Yes
21	Other Items/ Furniture	Printer table	3	1		Yes
22	Other Items/ Furniture	Storage cabinet	1	1		Yes
23	Other Items/ Furniture	White Board	1	1		Yes
24	Other Items/ Furniture	Steel Almirah	1	1		Yes
25	Other Items/ Furniture	Fire Extinguisher	2	2		Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		CO2				
26	Other Items/ Furniture	Fire Buckets	2	2		Yes
27	Raw Materials	Full Scape Paper	2	2		Yes
28	Raw Materials	Stapler	2	2		Yes
29	Raw Materials	Stapler	1	1		Yes
30	Raw Materials	Pen drive	2	2		Yes
31	Raw Materials	Wall Clock	1	1		Yes

2. Cosmetology

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Trainees Tool Kit	Tail comb	12	12		Yes
2	Trainees Tool Kit	Spray bottle	12	12		Yes
3	Trainees Tool Kit	Nail File	12	12		Yes
4	Trainees Tool Kit	Nail Cutter	12	8		Yes
5	Trainees Tool Kit	Switch Stand	12	12		Yes
6	Trainees Tool Kit	Pack & Bleach Brush	12	12		Yes
7	Trainees Tool Kit	Hair cutting Scissors	12	16		Yes
8	Trainees Tool Kit	Wax applicator	12	4		Yes
9	Trainees Tool Kit	Pedicure Set	12	12		Yes
10	Tools & Equipment-Hair	Barber Scissors	12	12		Yes
11	Tools & Equipment-Hair	Thinning Scissors	12	12		Yes
12	Tools & Equipment-Hair	Dye Brush	12	12		Yes
13	Tools & Equipment-Hair	Back View Mirror	12	3		Yes
14	Tools & Equipment-Hair	Cutting sheet	12	12		Yes
15	Tools & Equipment-Hair	Hot Rollers	12	2		Yes
16	Tools & Equipment-Hair	Crimper	3	2		Yes
17	Tools & Equipment-Hair	Mirror Panel	12	4		Yes
18	Tools & Equipment-Hair	Styling Chair (multipurpose for hair & beauty services)	12	12		Yes
19	Tools & Equipment-Hair	Shampoo Station with chair	3	2		Yes
20	Tools & Equipment-Hair	Hair Trolley	12	5		Yes
21	Tools & Equipment-Skin	High frequency	12	2		Yes
22	Tools & Equipment-Skin	Facial Bed	12	2		Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
23	Tools & Equipment-Skin	Manicure stools	12	2		Yes
24	Tools & Equipment-Skin	Pedi stool	12	2		Yes
25	Tools & Equipment-Lab	Almirah	3	2		Yes

3. Draughtsman Civil

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available(Nos.)	Approx. Age (yrs)	Functional (Yes/No)
1	Trainees Tool Kit	Box drawing instrument	25	12	28	YES
2	Trainees Tool Kit	Scales plotting box wood 6 metric scales	25	17	28	YES
3	Trainees Tool Kit	Set square transparent	25	9	28	YES
4	Trainees Tool Kit	T-Square	25	13	3	YES
5	General Machinery Shop Outfit	Flexible curves	04	4	3	YES
6	General Machinery Shop Outfit	Radius curve metric	04	4	3	YES
7	General Machinery Shop Outfit	Brass parallel rulers in a case	04	4	3	YES
8	General Machinery Shop Outfit	Calculator Scientific (Non-programmable)	04	4	3	YES
9	General Machinery Shop Outfit	Proportional dividers	04	4	3	YES
10	Surveying Instruments	Land measuring chain	04	4	3	YES
11	Surveying Instruments	Steel tape	04	4	3	YES
12	Surveying Instruments	Ranging rod wooden fitted iron shoe	24	20	3	YES
13	Surveying Instruments	Prismatic compass with stand	01	1	3	YES
14	Surveying Instruments	Plane table	2	2	3	YES
15	Surveying Instruments	Telescopic Alidade	01	1	3	YES
16	Surveying Instruments	Dumpy Level with all accessories	01	2	3	YES
17	Surveying Instruments	Auto level	02	1	3	YES

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available(Nos.)	Approx. Age (yrs)	Functional (Yes/No)
		With all accessories				
18	Surveying Instruments	Levelling staff	1	1	3	YES
19	Surveying Instruments	Hand held GPS	02	2	3	YES
20	Computer Lab	Computer Table	24	1	10	YES
21	Computer Lab	Computer Chair.	24	1	10	YES
22	Computer Lab	White Board	02	1	12	YES
23	Computer Lab	Fire Extinguisher	01	1	5	YES
24	Computer Lab	Wall Clock	01	1	5	YES
25	Furniture	Trainer's / Instructor's table (big size full secretariat)	01	1	10	YES
26	Furniture	Trainer's / Instructor's table	01	1	10	YES
27	Furniture	Chair for Trainer / Instructor	02	2	10	YES
28	Furniture	Class room chairs (armless)	24	24	10	YES
29	Furniture	Class room table single / Dual desk	24	24	10	YES
30	Furniture	Almirah steel (major)	02	2	12	YES
31	Furniture	Drawing table with Board	24	20	8	YES

4. Electronic Mechanics

S N	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	TRAINEES TOOL KIT	Connecting screwdriver	12	12		YES
2	TRAINEES TOOL KIT	Neon tester 500 V.	8			YES
3	TRAINEES TOOL KIT	Screw driver set	12			YES
4	TRAINEES TOOL KIT	Insulated combination pliers	8			YES

S N	Category of T&E	Name of the Tools and Equipment	Quantit y required (No)	Qnty Availabl e	Approx . Age	Functiona l (Yes/No)
5	TRAINEES TOOL KIT	Insulated side cutting pliers	10			YES
6	TRAINEES TOOL KIT	Long nose pliers	8			YES
7	TRAINEES TOOL KIT	Soldering iron	12			YES
8	TRAINEES TOOL KIT	Electrician knife	8			YES
9	TRAINEES TOOL KIT	Tweezers	12			YES
10	TRAINEES TOOL KIT	Digital Multimeter	12			YES
11	TRAINEES TOOL KIT	Soldering Iron Changeable bits	8			YES
12	TRAINEES TOOL KIT	De- soldering pump electrical heated, manual operators	12			YES
13	SHOP TOOLS, INSTRUMENTS	Steel rule graduated both in Metric and English Unit	4			YES
14	SHOP TOOLS, INSTRUMENTS	Precision set of screw drivers	2			YES
15	SHOP TOOLS, INSTRUMENTS	Tweezers – Bend tip	2			YES
16	SHOP TOOLS, INSTRUMENTS	Steel measuring tape	4			YES
17	SHOP TOOLS, INSTRUMENTS	Tools makers vice	1			YES
18	SHOP TOOLS, INSTRUMENTS	Tools maker vice	1			YES
19	SHOP TOOLS, INSTRUMENTS	Crimping tool (pliers)	2			YES
20	SHOP TOOLS, INSTRUMENTS	Magneto spanner set	2			YES
21	SHOP TOOLS, INSTRUMENTS	File flat bastard	2			YES
22	SHOP TOOLS, INSTRUMENTS	File flat second cut	2			YES
23	SHOP TOOLS, INSTRUMENTS	File flat smooth	2			YES
24	SHOP TOOLS, INSTRUMENTS	Plier - Flat Nose	4			YES
25	SHOP TOOLS, INSTRUMENTS	Round Nose pliers	4			YES
26	SHOP TOOLS, INSTRUMENTS	Scriber straight	2			YES
27	SHOP TOOLS, INSTRUMENTS	Hammer ball pen	1			YES
28	SHOP TOOLS, INSTRUMENTS	Allen key set (Hexagonal -set of 9)	1			YES

S N	Category of T&E	Name of the Tools and Equipment	Quantit y required (No)	Qnty Availabl e	Approx . Age	Functiona l (Yes/No)
29	SHOP TOOLS, INSTRUMENTS	Tubular box spanner	1			YES
30	SHOP TOOLS, INSTRUMENTS	Magnifying lenses	2			YES
31	SHOP TOOLS, INSTRUMENTS	Continuity tester	6			YES
32	SHOP TOOLS, INSTRUMENTS	Hacksaw frame adjustable	2			YES
33	SHOP TOOLS, INSTRUMENTS	Chisel - Cold - Flat	1			YES
34	SHOP TOOLS, INSTRUMENTS	Scissors	1			YES
35	SHOP TOOLS, INSTRUMENTS	Handsaw 450mm	1			YES
36	SHOP TOOLS, INSTRUMENTS	Hand Drill Machine Electric with Hammer Action	2			YES
37	SHOP TOOLS, INSTRUMENTS	First aid kit	1			YES
38	SHOP TOOLS, INSTRUMENTS	Bench Vice	1			YES
39	SHOP TOOLS, INSTRUMENTS	Bench Vice	1			YES
40	SHOP TOOLS, INSTRUMENTS	Bench Vice	1			YES
41	Equipment	Dual DC regulated power supply	4			YES
42	Equipment	DC Regulated Variable Programmable DC Power Supply	2			YES
43	Equipment	LCR meter (Digital) Handheld	1			YES
44	Equipment	CRO Dual Trace	2			YES
45	Equipment	Signal Generator with Digital Display for Frequency Amplitude	2			YES
46	Equipment	Battery Charger	1			YES
47	Equipment	Analog multimeter	4			YES
48	Equipment	Clamp meter	2			YES
49	Equipment	Function generator (DDS Technology (Sine, Square, Triangle, Ramp, Pulse, Serial Data, TTL and	2			YES

S N	Category of T&E	Name of the Tools and Equipment	Quantit y required (No)	Qnty Availabl e	Approx . Age	Functiona l (Yes/No)
		Modulation.)				
50	Equipment	Dimmer starter	2			YES
51	Equipment	Autotransformer	2			YES
52	Equipment	Analog Component Trainer	4			YES
53	Equipment	Milli Ammeter (AC)	2			YES
54	Equipment	Milli Ammeter (DC)	2			YES
55	Equipment	Op Amp trainer	2			YES
56	Equipment	Digital IC Trainer	4			YES
57	Equipment	Digital IC Tester	1			YES
58	Equipment	Digital and Analog Bread Board Trainer	6			YES
59	Equipment	Rheostats various values and ratings	2	2		YES
60	Equipment	POWER ELECTRONICS TRAINER with at least 6 no's of application board MOSFET Characteristics SCR Characteristics SCR Lamp Flasher SCR Alarm Circuit Series Inverter Single Phase PWM Inverter	4	4		YES
61	Equipment	Computers in the assembled form (including cabinet, motherboards, HDD, DVD, SMPS, Monitor, KB, Mouse, LAN card, Blu-Ray drive and player), MS Office education version.	4	4		YES
62	Equipment	Laptops latest configuration	1			YES
63	Equipment	Laser jet Printer	1			YES

S N	Category of T&E	Name of the Tools and Equipment	Quantit y required (No)	Qnty Availabl e	Approx . Age	Functiona l (Yes/No)
64	Equipment	INTERNET BROADBAND CONNECTION	1	1		YES
65	Equipment	Electronic circuit simulation software with 6 user licenses	1	1		YES
66	Equipment	DSO (colour)	1			YES
67	Equipment	Soldering & De soldering Station	1			YES
68	Equipment	SMD Soldering & De soldering Station with necessary accessories	2			YES
69	Equipment	DOL starter	1			YES
70	Equipment	AC Motor Trainer Kit, ¼ HP motor Single Phase Contactors Relays, MCB, DOL Starter	1	1		YES
71	Equipment	Frequency modulator and Demodulator trainer kit	2	2		YES
72	Equipment	PAM, PPM, PWM trainer kit	2	2		YES
73	Equipment	AM/FM Commercial radio receivers	2	2		YES
74	Equipment	Microcontroller kits (8051) along with programming software (Assembly level Programming)	4	4		YES
75	Equipment	Application kits for Microcontrollers 6 different applications	1	1		YES

S N	Category of T&E	Name of the Tools and Equipment	Quantit y required (No)	Qnty Availabl e	Approx . Age	Functiona l (Yes/No)
76	Equipment	Sensor Trainer Kit Containing following Sensors 1. Thermocouple 2. RTD 3. Load Cell/ Strain Gauge 4. LVDT 5. Smoke Detector Sensors 6. Speed Sensor 7. Limit Switch 8. Photo sensors 9. Optocouplor 10. Proximity Sensor	2	2		YES
77	Equipment	Fiber optic communication trainer	2			YES
78	Equipment	Seven segment DPM trainer	6			YES
79	Equipment	LCD based DPM	6			YES
80	Equipment	SMPS of different make	4			YES
81	Equipment	UPS trainer	1			YES
82	Equipment	Mobile phone Trainer	1			YES
83	Equipment	Smart phones of different make (android/Windows)	4			YES
84	Equipment	LCD TV (Trainer kit)	1			YES
85	Equipment	LCD TV (21")	2			YES
86	Equipment	LED TV (Trainer kit)	1			YES
87	Equipment	LED TV (21")	2			YES
88	Equipment	Home theatre system	1			YES
89	Equipment	Solar Training Kit/ Simulator	1			YES
90	Equipment	LED lighting system	2			YES
91	Shop Floor Furniture and Materials	Instructor's table	1			YES
92	Shop Floor Furniture and Materials	Instructor's chair	2			YES

S N	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
93	Shop Floor Furniture and Materials	Metal Rack	4			YES
94	Shop Floor Furniture and Materials	Lockers with 16 drawers standard size	2			YES
95	Shop Floor Furniture and Materials	Steel Almirah	2			YES
96	Shop Floor Furniture and Materials	Black board/white board	1			YES
97	Shop Floor Furniture and Materials	Fire Extinguisher	2			YES
98	Shop Floor Furniture and Materials	Fire Buckets	2			YES

5. Fashion Designing & Technology

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Sketching Laboratory	Drawing Table	21	2		Yes
2	Sketching Laboratory	Faculty Table & Chair set	1	1		Yes
3	Sketching Laboratory	Storage Almirah	1	1		Yes
4	Sketching Laboratory	White Magnetic Board with Felt board & accessories	1	1		Yes
5	Sketching Laboratory	Display board	4	2		Yes
6	Sketching Laboratory	Dress forms (dummies)	2	1		Yes
7	Sketching Laboratory	Mannenquins: Children, Ladies, Gents	2	4		Yes
8	Theory Room	Single desks for trainees	20	8		Yes
9	Theory Room	Faculty Table & Chair set	1	1		Yes
10	Theory Room	White Magnetic Board with Felt	1	1		Yes

6. Front Office Assistant

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Shop Tools & Equipment	Workstation	13	13	4	YES
2	Shop Tools & Equipment	Laser Printer	1	1	4	YES
3	Shop Tools & Equipment	16 Port Hub	1	1	4	YES
4	Shop Tools & Equipment	Multimedia projector	1	1	4	YES
5	Shop Tools & Equipment	Three-in-one Colour Inkjet Printer/Copier / scanner	1	1	4	YES
6	Shop Tools & Equipment	M.S. Office latest version (Academic version)	1	1	4	YES
7	Shop Tools & Equipment	Antivirus Software (Academic Version)	1	1	4	YES
8	Shop Tools & Equipment	ISDN Internet Connection with Accessories	1	1	4	YES
9	Shop Tools & Equipment	Castor wheel chair for trainees	24	24	4	YES
10	Shop Tools & Equipment	Instructors table (Laminated top)	1	1	4	YES
11	Shop Floor Furniture And Materials	Instructor's table	1	1	4	YES
12	Shop Floor Furniture And Materials	Instructor's chair	02	2	4	YES
13	Shop Floor Furniture And Materials	White board	1	1	4	YES
14	Shop Floor Furniture And Materials	Fire Extinguisher CO2	02	1	4	YES
15	Shop Floor Furniture And Materials	Fire Buckets	02	1	4	YES
16	Shop Floor Furniture And Materials	Proper Electric & Gas Connections	1	1	4	YES
17	Shop Floor Furniture And Materials	Dustbins	05	5	4	YES
18	Shop Floor Furniture And Materials	Hand wash basin	05	5	4	YES
19	Shop Floor Furniture And Materials	Wash Basins	04	4	4	YES
20	Shop Floor Furniture And Materials	First aid box	1	1	4	YES

7. Internet of Things (Smart Healthcare)

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Trainees Tool Kit	Connecting screwdriver	12	12	3 Yrs.	Yes
2	Trainees Tool Kit	Neon tester	6	6	3 Yrs.	Yes
3	Trainees Tool Kit	Screwdriver set	12	12	3 Yrs.	Yes
4	Trainees Tool Kit	Insulated combination pliers	6	6	3 Yrs.	Yes
5	Trainees Tool Kit	Insulated side cutting pliers	8	8	3 Yrs.	Yes
6	Trainees Tool Kit	Long nose pliers	6	6	3 Yrs.	Yes
7	Trainees Tool Kit	Soldering iron	12	12	3 Yrs.	Yes
8	Trainees Tool Kit	Electrician knife	6	6	3 Yrs.	Yes
9	Trainees Tool Kit	Tweezers	12	12	3 Yrs.	Yes
10	Trainees Tool Kit	Digital Multimeter	12	12	3 Yrs.	Yes
11	Trainees Tool Kit	Soldering Iron Changeable bits	6	6	3 Yrs.	Yes
12	Trainees Tool Kit	De- soldering pump electrical heated, manual operators	12	12	3 Yrs.	Yes
13	Shop Tools, Instruments	Steel rule graduated both in Metric and English Unit	4	4	3 Yrs.	Yes
14	Shop Tools, Instruments	Precision set of screw drivers	2	2	3 Yrs.	Yes
15	Shop Tools, Instruments	Tweezers – Bend tip	2	2	3 Yrs.	Yes
16	Shop Tools, Instruments	Steel measuring tape	4	4	3 Yrs.	Yes
17	Shop Tools, Instruments	Tools makers vice	1	1	3 Yrs.	Yes
18	Shop Tools, Instruments	Tools maker vice	1	1	3 Yrs.	Yes
19	Shop Tools, Instruments	Crimping tool (pliers)	2	2	3 Yrs.	Yes
20	Shop Tools, Instruments	Magneto spanner set	2	2	3 Yrs.	Yes
21	Shop Tools, Instruments	File flat bastard	2	2	3 Yrs.	Yes
22	Shop Tools, Instruments	File flat second cut	2	2	3 Yrs.	Yes
23	Shop Tools, Instruments	File flat smooth	2	2	3 Yrs.	Yes
24	Shop Tools, Instruments	Plier - Flat Nose	4	4	3 Yrs.	Yes
25	Shop Tools, Instruments	Round Nose pliers	4	4	3 Yrs.	Yes
26	Shop Tools, Instruments	Scriber straight	2	2	3 Yrs.	Yes
27	Shop Tools, Instruments	Hammer ball pen	1	1	3 Yrs.	Yes
28	Shop Tools, Instruments	Allen key set (Hexagonal - set of 9)	1	1	3 Yrs.	Yes
29	Shop Tools,	Tubular box spanner	1	1	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
	Instruments					
30	Shop Tools, Instruments	Magnifying lenses	2	2	3 Yrs.	Yes
31	Shop Tools, Instruments	Continuity tester	6	6	3 Yrs.	Yes
32	Shop Tools, Instruments	Hacksaw frame adjustable	2	2	3 Yrs.	Yes
33	Shop Tools, Instruments	Chisel - Cold - Flat	1	1	3 Yrs.	Yes
34	Shop Tools, Instruments	Scissors	1	1	3 Yrs.	Yes
35	Shop Tools, Instruments	Handsaw 450mm	1	1	3 Yrs.	Yes
36	Shop Tools, Instruments	Hand Drill Machine Electric with Hammer Action	2	2	3 Yrs.	Yes
37	Shop Tools, Instruments	First aid kit	1	1	3 Yrs.	Yes
38	Shop Tools, Instruments	Bench Vice	1	1	3 Yrs.	Yes
39	Shop Tools, Instruments	Bench Vice	1	1	3 Yrs.	Yes
40	Shop Tools, Instruments	Bench Vice	1	1	3 Yrs.	Yes
41	Equipment	Multiple Output DC regulated power supply	4	4	3 Yrs.	Yes
42	Equipment	DC Regulated Variable Programmable DC Power Supply	2	2	3 Yrs.	Yes
43	Equipment	LCR meter (Digital) Handheld	1	1	3 Yrs.	Yes
44	Equipment	70 MHz Mixed Signal Oscilloscope (4 Analog + 16 Digital Channel)	1	1	3 Yrs.	Yes
45	Equipment	25 MHz Arbitrary Waveform Generator with Digital Display for Frequency and Amplitude	1	1	3 Yrs.	Yes
46	Equipment	6 1/2 Digit Digital Multimeter	1	1	3 Yrs.	Yes
47	Equipment	3GHz Spectrum Analyzer with built-in Tracking Generator	1	1	3 Yrs.	Yes
48	Equipment	OR Electronics Workbench	1	1	3 Yrs.	Yes
49	Equipment	Multi Function Test & Measuring Tool for Field Applications and Testing compatible with Laptop	1	1	3 Yrs.	Yes
50	Equipment	Analog Component	1	1	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qnty Available	Approx. Age	Functional (Yes/No)
		Trainer with following Seven Basic Modules - • Diode Characteristics (Si,Zener,LED) • Rectifier Circuits • Diode as Clipper Circuit • Diode as Clamping Circuit • Zener as voltage regulator. • Transistor Type NPN & PNP and CE Characteristics • Transistor as a switch				
51	Equipment	Digital IC Trainer	1	1	3 Yrs.	Yes
52	Equipment	IT Workbench for computer hardware and networking	1	1	3 Yrs.	Yes
53	Equipment	Laptop latest configuration	1	1	3 Yrs.	Yes
54	Equipment	Laser jet Printer	1	1	3 Yrs.	Yes
55	Equipment	Internet Broadband Connection	1	1	3 Yrs.	Yes
56	Equipment	Electronic circuit simulation software with five user licenses	1	1	3 Yrs.	Yes
57	Equipment	Different types of electronic and electrical cables, connectors, sockets, terminations.	As required	YES	3 Yrs.	Yes
58	Equipment	Different types of Analog electronic components, digital ICs, power electronic components, general purpose PCBs, bread board, MCB, ELCB	As required	YES	3 Yrs.	Yes
59	Equipment	SMD Soldering & De soldering Station with necessary accessories	1	1	3 Yrs.	Yes
60	Equipment	SMD Technology Kit	1	1	3 Yrs.	Yes
61	Equipment	Microcontroller kits (8051) along with programming software (Assembly level Programming) With six important different application modules 1. Input Interface Switch, Matrix Keypad, ASCII Keypad	1	1	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		2. Display LCD, Seven Segment, LED Matrix 3. ADC & DAC 4. PC Interface module 5. Motor DC, Stepper, Servo 6. DAQ				
62	Equipment	Sensor Trainer Kit Containing following Sensors a) Air humidity and Temperature b) RTD c) Atmospheric Pressure d) Air Quality e) Smoke Detector Sensors f) Limit Switch g) Photo sensors h) Capacitive displacement	2	2	3 Yrs.	Yes
63	Equipment	Different types of electronic and electrical cables, connectors, sockets, terminations.	As required	YES	3 Yrs.	Yes
64	Equipment	Different Microcontroller/Processor Training and Development Platform for AVR, PIC, ARM and Arduino.	1	1	3 Yrs.	Yes
65	Equipment	Internet of Things Explorer	1	1	3 Yrs.	Yes
66	Equipment	Field Interface and Protocol Simulation Kit	1	1	3 Yrs.	Yes
67	Tool List For Last Six Months	Wireless Communication modules for interfacing with microcontrollers a) RFID Card Reader b) Finger Print c) Zigbee d) GPS e) GSM f) Bluetooth g) WiFi	1	1	3 Yrs.	Yes
68	Tool List For Last Six Months	Sensors for Biomedical Application	1	1	3 Yrs.	Yes
69	Tool List For Last Six Months	ECG cum Heart Rate Monitor	1	1	3 Yrs.	Yes
70	Tool List For Last Six Months	12 Lead ECG Simulator	1	1	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
71	Tool List For Last Six Months	Respiration Rate Monitor	1	1	3 Yrs.	Yes
72	Tool List For Last Six Months	Understanding of Electro-Myograph	1	1	3 Yrs.	Yes
73	Tool List For Last Six Months	Patient Health Monitoring Development Platform	1	1	3 Yrs.	Yes
74	Shop Floor Furniture And Materials	Instructor's table	1	1	3 Yrs.	Yes
75	Shop Floor Furniture And Materials	Instructor's chair	2	2	3 Yrs.	Yes
76	Shop Floor Furniture And Materials	Lockers with 16 drawers standard size	2	2	3 Yrs.	Yes
77	Shop Floor Furniture And Materials	Steel Almirah	2	2	3 Yrs.	Yes
78	Shop Floor Furniture And Materials	Interactive Smart Board with Projector	1	1	3 Yrs.	Yes
79	Shop Floor Furniture And Materials	Fire Extinguisher	As per requirement	YES	3 Yrs.	Yes

8. Secretarial Practice

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Shop Tools & Equipment	Computer	25	21		Yes
2	Shop Tools & Equipment	Glazed White Board -	1	1		Yes
3	Shop Tools & Equipment	Steel Almirah	2	2		Yes
4	Shop Tools & Equipment	Tool Kit (Hand Tools)	2	1		Yes
5	Shop Tools & Equipment	Broad Band Connection or Wi-Fi	1	1		Yes
6	Shop Floor Furniture And Materials	Class Room Furniture	10	10		Yes
7	Shop Floor Furniture And Materials	Computer Table with Chair	25	23		Yes
8	Raw Material & Other Consumable Items	Shorthand Pencil	24	24		Yes
9	Raw Material & Other Consumable Items	Short Hand Note Book	24	24		Yes
10	Raw Material & Other Consumable Items	Eraser	24	24		Yes
11	Raw Material & Other Consumable Items	Sharpener	25	24		Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
12	Raw Material & Other Consumable Items	Correcting Fluid Pen	24	1		Yes
13	Raw Material & Other Consumable Items	Cloth Duster	24	1		Yes
14	Raw Material & Other Consumable Items	Pen	25	1		Yes
15	Raw Material & Other Consumable Items	Stapler	25	1		Yes
16	Raw Material & Other Consumable Items	White Board Marker	40	40		Yes
17	Raw Material & Other Consumable Items	White Board Duster	6	6		Yes
18	Raw Material & Other Consumable Items	Cleaning Liquid	4	1		Yes
19	Raw Material & Other Consumable Items	Awl Pins/ Gem Clips	4	1		Yes
20	Raw Material & Other Consumable Items	Dustbin	4	1		Yes
21	Raw Material & Other Consumable Items	Glue stick	25	1		Yes
22	Raw Material & Other Consumable Items	Ruled Register	12	12		Yes
23	Raw Material & Other Consumable Items	Paper Highlighter	25	1		Yes