

ITI PROFILE

INDUSTRIAL TRAINING INSTITUTE BOKO



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

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A. Baseline Characteristics of Government ITI Boko

Government Industrial Training Institute (ITI), Boko, established in 2021, is a rural co-educational vocational training institute located at Station Road, Boko Town, District Kamrup, Assam, PIN 781223. Set up to widen access to structured skill development and technical education in the rural belt of Kamrup district, the institute serves as an important platform for empowering local youth with employable skills.

The institute currently operates under the SCVT framework, and the NCVT MIS code is under process. As a newly established institution, ITI Boko is in the phase of consolidating its academic, training and administrative systems, while steadily strengthening infrastructure and institutional capacity. Focus is being placed on developing industry aligned training practices and creating a responsive skill ecosystem that meets emerging workforce requirements.

With its strategic rural location and scope for expansion, Government ITI Boko has strong potential to grow into a dynamic spoke institute under the PM SETU framework, contributing to improved employability, local industry linkages and regional workforce development in Kamrup and adjoining areas.

Institute Details

SN	Particulars	Detail
1.	Institute Name	Government Industrial Training Institute, Boko (Spoke ITI)
2.	Institute Location: (Rural/Urban)	Rural
3.	Is it Women ITI Only? (Yes / Co-ed)	Co-Ed
4.	Pin Code	781223
5.	Email Id	itiboko2@gmail.com
6.	Mobile No	98599-29495
7.	District	Kamrup
8.	Complete address	Station Road, Boko Town, Kamrup
9.	Latitude	26.509164
10.	Longitude	91.585332
11.	Year in operation	2021
12.	Current grading of ITI	NA

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

SN	Particulars	Detail
1	Name	Smt. Barnali Lahkar Bania
2	Designation	Superintendent (I/C)
3	Email	Itiboko2@gmail.com
4	Mobile	9859929495

b. Availability of Institute Management Committee (IMC)

SN	Particulars	Available
a.	Institute Management Committee (IMC)	Yes
b.	If yes, name of Industry Partner	Assam Petroleum Limited(APL)
c.	Date of Notification of the IMC	27.09.2023

c. IMC composition

SN	Name of Member	Designation in IMC	Category / Representation	Organization
1.	Smt. Neera Sarmah	Chairman	Industry	APL
2.	Smt. Barnali Lahkar Bania	Member Secretary	Principal	ITI Boko
3	Re- Presentative DECT	Member	Government.	DEC T
4	Asst. Director of Employment.	Member	Government	DEE, Guwahati
5.	Sri Manohar Choudhury	Member	Industry Representative	APL
6.	Sri Pinku Goswami	Member	Industry Representative	NEIIT
7.	Sri K.K. VYAS	Member	Industry Representative	Director, KK Consultant
8.	Smt. Bhaswati Choudhury	Member	Industry Representative	OPUS Society
9	Principal BOKO College	Member	Academic local representative	JN College, Boko
10	Sr. Faculty Member	Member	Faculty	ITI Boko
11	Trainees re- representative	Member	Trainee	ITI Boko

2. List of courses offered- Trade and Unit details

SN	Trade Name	Trade Type	Trade affiliation	No. of Unit		
				Shift 1	Shift 2	Total
1.	Computer Operator and Programming Assistant (COPA)	Non-Engineering	SCVT & SIMC	1	1	5
2.	Electrician	Engineering	SCVT	1	-	1
3.	Basic Designer and Virtual Verifier (Mechanical)	Engineering	SIMC	1	-	1
4.	Industrial Robotics & Digital Manufacturing Technician	Engineering	SIMC	1	-	1
5.	CNC Machining Technician	Engineering	SIMC	Trades ready for operationalization from the academic year 2026 under the Centre of Excellence (CoE), established in collaboration with Tata Technologies Ltd		
6.	Mechanical Electric Vehicle	Engineering	SIMC			
7.	Manufacturing Process Control & Automation	Engineering	SIMC			
8.	Artisan using Advanced Tools	Non-Engineering	SIMC			
Total				4	1	5

*** 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				
				Male	Female	Total	General	SC	ST	OBC	PwD (if any)
1.	Computer Operator and Programming Assistant (COPA)	SCVT	2022-2023	15	9	24	16	1	2	5	-
2.	Computer Operator and Programming Assistant (COPA)	SCVT	2023-2024	13	11	24	16	2	2	4	-
3.	Computer Operator and Programming Assistant (COPA)	SCVT	2024-2025	12	12	24	16	2	2	4	-

SN	Trade Name	Course Type	Year	Total Enrolled			By Category				
				Male	Female	Total	General	SC	ST	OBC	PwD (if any)
4.	Electrician	SCVT	2023-2024	16	4	20	13	1	3	3	-
5.	Industrial Robotics & Digital Manufacturing Technician	SIMC	2024-2025	16	1	17	13	1	1	2	-
6.	Basic Designer & Virtual Verifier	SIMC	2024-2026	11	2	13	11	0	1	1	-
Total				83	39	122	85	7	11	19	

4. Number of graduates last year by course

(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	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.	Computer Operator and Programming Assistant (COPA)	SCVT	11	12	23	15	2	2	4		30%	10%	35%	25%
2.	Electrician	SCVT	6	3	9	5	2	1	1		11%	44%	22%	23%
3.	Industrial Robotics & Digital Manufacturing Technician	SIMC	12	1	13	11	0	0	2		12%	20%	30%	48%
Total			29	16	45	31	4	3	7					

5. Number of instructors

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

SN	Trade name	Trade affiliation	No. of units available	No. of position required	No. of sanctioned post (Regular)	Instructor in position					Vacancy (Regular)
						Officiating ¹	Engaged under IMC	Total			
								Male	Female	Total	
1.	Computer Operator and Programming Assistant (COPA)	SCVT/SIMC	2	2	-	-	1 attached from other ITI	1	-	1	2
2.	Electrician	SCVT	1	1	-	-	1 attached from other ITI	1	-	1	1
3.	Industrial Robotics & Digital Manufacturing Technician	SIMC	2	2	-	1	-	1	-	1	1
4.	Basic Designer & Virtual Verifier	SIMC	2	2	-	1	-	1	-	1	1
Total			7	7		2	2	4	-	4	5

¹ Engaged two Subject Matter Expert by Tata Technologies Ltd for 5 yrs as per MOA signed with Govt of Assam

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.	Senior Assistant	1	-	-	-	-	1
2.	Junior Assistant	1	-	-	-	-	1
3.	Store- Keeper	1	-	-	-	-	1
4.	Grade-IV	2	-	-	-	-	2
5.	Sweeper	1	-	-	-	-	1
6.	Workshop Attendant	2	-	-	-	-	2
Total		9	-	-	-	-	9

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

SN	Particulars	Available
1.	Total Plot Area (in Acres/ Bigha)	3.31 acres (10 Bigha)
2.	No. of RCC building available (Mark NA, if not available)	Nil
3.	No. of Non-RCC Building available (Mark NA, if not available)	03 Nos.
4.	No. of Rooms available in the building	Classroom: 6 Nos. Workshop : 5 Nos.
5.	Staff Quarter Available (Yes/No)	Yes Requirements if any- i. Principal (180 sqm)- 01 ii. Staff (90 sqm)- 01 iii. Grade IV Staff: Nil (required)
6.	Hostel Available – Boys & Girls (Yes/No)	Not available
7.	Size of the Classroom	i. Classroom 1: 30 sqm ii. Classroom 2: 30 sqm iii. Classroom 3: 42 Sqm iv. Classroom 4: 26 sqm v. Classroom 5: 26 sqm vi. Classroom 6: 58 sqm Total Classroom Size- 212 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: 70 Sqm v. Workshop 5: 70 Sqm vi. Workshop: 836 Sqm (CoE) Total Classroom Size- 1216 Sqm
9.	Total building area (In square meter)	2000 Sqm
10.	Boundary Wall available (Yes/No)	Yes
11.	Total Seat capacity (SCVT, NCVT and IMC trades)	112
12.	IT laboratory (Yes/ No)	No (Requirement 25 Sqm as per norms)
13.	Drawing Hall (Yes/ No)	Yes
14.	Principal Room (Yes/ No)	Yes
15.	Staff Room (Yes/ No)	Yes

SN	Particulars	Available
16.	Administration Hall (Yes/ No)	No (Requirement 50 Sqm as per norms)
17.	Placement/Counselling Room (Yes/ No)	No (Requirement 20 Sqm as per norms)
18.	Reception cum Waiting Lobby (Yes/ No)	Yes
19.	Multipurpose Hall / Courtyard (Yes/ No)	No (Requirement 500 Sqm as per norms)
20.	Library Reading Room (Yes/ No)	No (Requirement 40 Sqm as per norms)
21.	Canteen (including kitchen & pantry) (Yes/ No)	No (Requirement 110 Sqm as per norms)
22.	First Aid Room (Yes/ No)	No (Requirement 15 Sqm as per norms)
23.	Storage room for raw material and for gases/oil drums etc. (Yes/ No)	Yes
24.	Separate Toilets (Yes/ No)	Male: Yes Female: Yes Divyang: Common toilet
25.	Women Facilitation & Counselling Desk (Yes/ No)	No (Requirement 15 Sqm as per norms)
26.	Alumni & Placement Tracking Cell (Yes/ No)	No (Requirement 15 Sqm as per norms)
27.	Security & Access Control Point (Yes/ No)	No (Requirement 15 Sqm as per norms)
28.	Availability of Ramps and Infrastructure necessary for disabled persons (yes/no)	No
29.	Plot Entrance Gate (Yes/ No)	Yes
30.	Building Entrance Gate (Yes/ No)	Yes
31.	Vacant available land for new construction (Sqm)	1.24 Acre (2 bigha)
32.	Parking Area (Yes/ No)	No

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: 286 kW	
2	Backup Power (DG Set)	Yes	220 KVA	
3	Water Supply Facility	Yes	Source: Boring	

9. Detailed Equipment Inventory

A comprehensive list of existing machinery and equipment, including their approximate age and its current functional status are attached as **Appendix-I**.

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

(e.g., through production centres, 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	No	-	-	-
2	Production Centre Revenue	No	-	-	-
3	External Training (i.e. PMKVY, Jal Mitra etc.)	No	-	-	-
4	Other (Specify)	No	-	-	-

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	-	-	-	-
2	-	-	-	-
3	-	-	-	-

a. ICC Functioning and Effectiveness (Workplace Safety Monitoring)

Year	Grievances Registered (No.)	Resolved (No.)	Pending (No.)	Annual Report Submitted (Yes/No)	Remarks
2022–23	-	-	-	-	-
2023–24	-	-	-	-	-
2024–25	-	-	-	-	-

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 2,000 sqm requires refurbishment, repair, and improvement to align with the latest NCVT/NCVT standards, ensuring a safe, functional, and future-ready training environment.

Residential quarters for the ITI Superintendent and staff require repair and renovation, and construction of quarters for Grade IV staff is proposed to strengthen institutional support infrastructure and improve on-campus staff availability for effective training delivery and governance. Additionally, hostel facilities for both boys and girls are proposed to 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	4 Classrooms for eight new proposed Trades	100	Rs. 30,920	0.31
		8 Workshops for eight new proposed Trades	800	(CPWD PAR 2025 -College)	2.47
		IT Lab, Administration Hall, Placement and Counselling Room, Multiple Hall, Library Reading Room, Canteen, First Aid Room, Women Facilitation & Counselling Desk, Security & Access Control Point, Ramps and Infrastructure necessary for disabled persons	805		2.49
2	Electrical installation	In all newly constructed area	1705	12.5% of total budget estimate	0.66
3	Quarter	Grade IV Staff Quarter	60	Rs. 24,410	0.15
	Hostel	Boys (150 capacity)	1250	(CPWD PAR 2025 - Hostel/Quarter)	1.10
		Girls (50 capacity)	450		0.52
4	Electrical installation	In Quarter	1760	12.5% of total budget estimate	0.22
5	Parking	For 15 Cars and 300 Bikes	600	Rs. 2,945 (CPWD PAR 2025)	0.18
Total indicative cost (in Cr.)					8.10

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

SN	Project	Details of required Rooms	Estimated Plinth Area (sqm)	Rate (Rs. /sqm)	indicative Amount (in Cr.)
1	Renovation of Existing Infrastructure	Classrooms, Workshops etc.	2000	20% of equivalent new construction cost (Rs. 30,920) (industry standard)	1.24
2	Staff Quarter	Principal	180	20% of equivalent new construction cost (Rs. 24410) (industry standard)	0.09
		Staff	90		0.05
Total Amount (in Cr.)					1.38

1.3 Scope Covered under this Cost Framework

The indicative cost framework includes the following components:

- 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
5	Campus Wi-Fi & IT networking	0.20
6	Signage, branding & wayfinding	0.20
7	Landscaping & green campus development etc.	0.60
Total indicative cost (in Cr.)		7.8

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. Introduce new unit in existing trade:

A few trades in the institute are presently being conducted with only a single training unit. However, as per NCVT affiliation norms, a minimum of two units per trade is essential to ensure adequate training capacity, optimal utilization of infrastructure, and sustained compliance with national standards. Therefore, it is proposed to introduce an additional unit in such existing trades, which will not only fulfil the prescribed NCVT requirements but also enhance enrolment potential, improve learning outcomes, and strengthen the overall quality of skill training delivery.

Trade Name	Trade Type	Total No. of available unit	No. of Unit proposed unit	Indicative cost for introducing new unit (in Cr.)
Electrician	Engineering	SCVT	1	0.40

ii. 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.	COPA	Non-Engineering	1	1	2	Yes	0.25
2.	Electrician	Engineering	1	-	1	Yes	0.30
Total amount (in Cr.)							0.55

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 Boko, Kamrup

i. Long Term Trade:

As per the PM-SETU framework, a minimum of eight trades is required to be upgraded in each Spoke ITI. Government ITI Boko currently offers 2 regular trades and 2 trades under CoE. 4 trades under CoE are about to start.

Accordingly, only 2 existing trades are proposed for upgradation under PM-SETU. To meet the minimum requirement of eight upgraded trades, it is also proposed to introduce 6 additional new trades.

As per the PM-SETU framework, a minimum of eight trades are to be upgraded in each Spoke ITI. However, Government ITI Boko currently offers two existing trades. Accordingly, it is proposed to introduce six additional new trades to address this shortfall and ensure compliance with the minimum trade upgradation requirement under the scheme. Further, as per PM-SETU guidelines, each Spoke ITI is also required to introduce a minimum of two new trades. Therefore, a **total of eight new trades** are proposed to be introduced in the ITI to meet both the trade 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.)
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

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.

- | | |
|--|--|
| 1. Advanced Computer Aided Machining | 13. Product Design & Development |
| 2. Advanced Plumbing | 14. CNC Operator and Basic CNC Programming |
| 3. Advanced Welder | 15. Computer Hardware & Network Support Technician |
| 4. Automobile Maintenance, Repair and Overhaul | 16. Cyber Security Fundamentals |
| 5. Battery Electric Vehicle | 17. Drone Service and Maintenance Assistant |
| 6. Computer Aided Machining | 18. Entrepreneurship and Startup Development |
| 7. Fundamentals of Automobile Engineering | 19. EV Battery Maintenance and Safety |
| 8. Industrial Robotics I | 20. Industrial Automation Technician (PLC Basics) |
| 9. Industrial Robotics II | 21. Medical Equipment Maintenance Assistant |
| 10. Innovation & Design Thinking | 22. Soft Skills and Workplace Communication |
| 11. Internet of Things | 23. Solar PV Installation Technician |
| 12. 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			Remuneration 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 8 new trades (2 trade for Spoke and 6 trades against upgradation of existing trades.)	5	27	32	25000	15.00	97.50	107.25	117.98	129.77	467.50	Existing vacancy (Regular): Nil Existing trades under IMC: COPA & Electrician (3) Existing Trades under CoE: Basic Designer and Virtual Verifier, Industrial Robotics & Digital Manufacturing. (2) New unit in existing Trade: Electrician (1) New Trades & unit under CoE: Basic Designer and Virtual Verifier, Industrial Robotics & Digital Manufacturing, Mechanic Electric Vehicle, CNC

SN	Manpwer category	Proposed manpower for			Remuneration 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		
												Machining Technician, Manufacturing Process Control & Automation and Artisan using Advanced Tools (10) New position for: Eight new trades (16) (2 trade for Spoke and 6 trades against upgradation of existing trades.
	Admin Staff	0	9	9	Mentioned in remarks	15.96	17.56	19.31	21.24	23.37	97.44	New Admin Staff: Senior Assistant (1) @Rs. 25000/-, Junior Assistant (1) @Rs. 23000/-, Store- Keeper (1) @Rs. 15000/-, Grade-IV (2) @Rs. 14000/- , Sweeper (1) @Rs. 12000/- and Workshop Attendant (2) @Rs. 15000/- (Total- 9 position, Avg. Rs.11556/- per month)
2	Manager Operations-1 each Hub & Spoke ITI		1	1	60000	7.20	7.92	8.71	9.58	10.54	43.96	The Manager Operations shall support day-to-day implementation and coordination of PM-

SN	Manpwer category	Proposed manpower for			Remuneration 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		
												SETU activities at the institute level
3	Placement cum Counsellor Officer - TCPEC		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	Foreign Language Instructor		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		5	39	44		50.16	136.18	149.79	164.77	181.25	682.15	

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 Boko 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.

SN	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)	1.53
2	Training of Trainers (ToT) -32 instructors @ Rs. 20,000, 5 times in the project period-5 yrs.	0.32
3	Exposure Visit for Instructor/ Supervisor (32 instructors @Rs. 40,000, 5 times in the project period-5 yrs.	0.64
4	Field visit for trainees (within Assam @ 750 per trainee for 676 estimated trainees)	0.25
5	OJT for trainee (@400 per trainee for 676 estimated trainees)	0.14
6	Digital Course Content (AR VR Lab)	0.50
7	Foreign Language Lab	0.40
8	Utilities (Electricity, Water, Internet)- @ Rs. 1L per Month	0.60
9	Hostel Contingency	0.23
Total		4.61

5. Summary of Indicative Cost Estimates

The indicative cost estimates for upgradation of Government ITI Boko 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	8.1
2	Civil Part- Repair, Renovation & Upgradation Projects	1.38
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>	7.8
4	Estimated cost for upgradation of existing trade	0.95
5	Proposed New trade to be introduced <i>(2 trade for Spoke and 6 against upgradation of existing trades)</i>	10
6	Short Term Courses	0.16
7	Manpower Cost	6.82
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>	4.61
Total indicative Amount (in Cr.)		39.82
Contingency (10%)		3.98
Grand Total Amount (in Cr.)		43.80

5.1 Year-wise Indicative Expenditure Plan (Five Years)

The year-wise indicative expenditure plan for Government ITI Boko 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)	2.43	4.86	0.81	-	-	8.10
2	Civil Part- Repair, Renovation & Upgradation Projects (40:60)	0.55	0.83	-	-	-	1.38
3	ITI Modernization & Supporting Works (40:60)	3.12	4.68	-	-	-	7.80
4	Estimated cost for upgradation of existing trade (50:50)	0.48	0.48	-	-	-	0.95
5	Proposed New trade to be introduced- two trades (50:50)	-	-	5.00	5.00	-	10.00
6	Short Term Courses (50:50)	0.08	0.08	-	-	-	0.16
7	Manpower Cost	0.50	1.36	1.50	1.65	1.81	6.82
8	Recurring Expenditure-(20%X5)	0.92	0.92	0.92	0.92	0.92	4.61
Total indicative Amount (in Cr.)		8.05	13.17	8.19	7.52	2.68	39.82
Contingency (10%)							3.98
Grand Total Amount (in Cr.)							43.80

Appendix 1

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

1. Computer Operator and Programming Assistant (COPA)

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	12	4 Yrs.	YES
2	Software	MS Office	25	12	4 Yrs.	YES
3	Software	GIMP / IrfanView Image editor or equivalent	1	1	4 Yrs.	YES
4	Software	Tally	13	1	4 Yrs.	YES
5	Other Items/ Furniture	Chair and table for the instructor	4	1	4 Yrs.	YES
6	Other Items/ Furniture	Dual Desk or Chair and Tables for Trainees	12	12	4 Yrs.	YES
7	Other Items/ Furniture	Computer table	12	12	4 Yrs.	YES
8	Other Items/ Furniture	Operators chair	24	24	4 Yrs.	YES
9	Other Items/ Furniture	White Board	1	1	4 Yrs.	YES
10	Other Items/ Furniture	Steel Almirah	1	1	4 Yrs.	YES
11	Other Items/ Furniture	Fire Extinguisher CO2	2	1	2 Yrs.	YES
12	Raw Materials	Stapler	2	2	4 Yrs.	YES
13	Raw Materials	Stapler	1	1	1 Yr.	YES

2. Electrician

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	Combination Plier Insulated	21	32	15 Yrs.	Yes
2	Trainees Tool Kit	Screwdriver Insulated	21	22	15 Yrs.	Yes
3	Trainees Tool Kit	Screwdriver Insulated	21	22	15 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
4	Trainees Tool Kit	Electrician screwdriver thin stem insulated handle	21	32	15 Yrs.	Yes
5	Trainees Tool Kit	Heavy Duty Screwdriver insulated	21	32	15 Yrs.	Yes
6	Trainees Tool Kit	Electrician Screwdriver thin stem insulated handle	21	32	15 Yrs.	Yes
7	Trainees Tool Kit	Punch Centre	21	32	15 Yrs.	Yes
8	Trainees Tool Kit	Knife Double Bladed Electrician	21	22	15 Yrs.	Yes
9	Trainees Tool Kit	Neon Tester	21	30	15 Yrs.	Yes
10	Trainees Tool Kit	Steel Rule Graduated both in Metric and English Unit	21	32	15 Yrs.	Yes
11	Trainees Tool Kit	Hammer, cross peen with handle	21	32	15 Yrs.	Yes
12	Shop Tools & Equipment	Hammer, ball peen With handle	4	32	15 Yrs.	Yes
13	Shop Tools & Equipment	Pincer	4	32	15 Yrs.	Yes
14	Shop Tools & Equipment	C- Clamp	2	8	15 Yrs.	Yes
15	Shop Tools & Equipment	Spanner Adjustable drop forged, SS	2	4	15 Yrs.	Yes
16	Shop Tools & Equipment	Blow lamp brass	1	4	15 Yrs.	Yes
17	Shop Tools & Equipment	Chisel Cold	2	8	15 Yrs.	Yes
18	Shop Tools & Equipment	Allen Key alloy steel	1	2	15 Yrs.	Yes
19	Shop Tools & Equipment	Bradawl	2	32	15 Yrs.	Yes
20	Shop Tools & Equipment	Pully Puller with 3 legs	1	2	15 Yrs.	Yes
21	Shop Tools & Equipment	Bearing Puller (inside and outside)	1	2	15 Yrs.	Yes
22	Shop Tools & Equipment	Pipe vice Cast Iron with hardened jaw open type	2	8	15 Yrs.	Yes
23	Shop Tools & Equipment	Crimping Tool (1.5 sq mm to 16mm)	2	2	15 Yrs.	Yes
24	Shop Tools & Equipment	Wire Cutter and Stripper	4	2	15 Yrs.	YES
25	Shop Tools & Equipment	Mallet hard wood	4	5	15 Yrs.	YES
26	Shop Tools & Equipment	Hammer Extractor type	4	16	15 Yrs.	YES
27	Shop Tools & Equipment	Hacksaw frame	2	8	15 Yrs.	YES

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
28	Shop Tools & Equipment	Try Square	4	8	15 Yrs.	YES
29	Shop Tools & Equipment	Outside Calliper	2	2	15 Yrs.	YES
30	Shop Tools & Equipment	Inside Calliper	2	2	15 Yrs.	YES
31	Shop Tools & Equipment	Divider	2	2	15 Yrs.	YES
32	Shop Tools & Equipment	Pliers flat nose insulated	4	8	15 Yrs.	Yes
33	Shop Tools & Equipment	Pliers round nose insulated	4	8	15 Yrs.	Yes
34	Shop Tools & Equipment	Tweezers	4	8	15 Yrs.	Yes
35	Shop Tools & Equipment	Drill hand brace	4	8	15 Yrs.	YES
36	Shop Tools & Equipment	Drill S.S. Twist block	4	16	15 Yrs.	YES
37	Shop Tools & Equipment	Gauge, wire imperial stainlees steel marked in SWG & mm	4	3	15 Yrs.	YES
38	Shop Tools & Equipment	File flat	8	16	15 Yrs.	YES
39	Shop Tools & Equipment	File half round	4	8	15 Yrs.	YES
40	Shop Tools & Equipment	File round	4	8	15 Yrs.	YES
41	Shop Tools & Equipment	File flat rough	4	8	15 Yrs.	YES
42	Shop Tools & Equipment	File flat bastard	4	8	15 Yrs.	YES
43	Shop Tools & Equipment	File flat smooth	4	8	15 Yrs.	YES
44	Shop Tools & Equipment	File Rasp, half round	4	8	15 Yrs.	YES
45	Shop Tools & Equipment	Hand Vice	4	8	15 Yrs.	YES
46	Shop Tools & Equipment	Table Vice	8	8	15 Yrs.	YES
47	Shop Tools & Equipment	Oil Can	2	4	15 Yrs.	YES
48	Shop Tools & Equipment	Hand Drill Machine	2	2	15 Yrs.	YES
49	Shop Tools & Equipment	Out Side Micrometer	2	2	15 Yrs.	YES
50	Shop Tools & Equipment	Knife Switch DPDT fitted with fuse terminals	4	30	15 Yrs.	YES
51	Shop Tools & Equipment	Knife Switch TPDT fitted with fuse terminals	4	30	15 Yrs.	YES

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
52	Shop Tools & Equipment	Rheostat (Sliding type)	1	8	15 Yrs.	YES
53	Shop Tools & Equipment	Magnetic Flux Meter	2	1	15 Yrs.	Yes
54	Shop Tools & Equipment	Tachometer Digital photo Sensor type	1	1	15 Yrs.	YES
55	Shop Tools & Equipment	Soldering Iron	2	10	15 Yrs.	YES
56	Shop Tools & Equipment	Discrete Component Trainer	2	1	15 Yrs.	YES
57	Shop Tools & Equipment	Linear I.C. Trainer	1	1	15 Yrs.	YES
58	Shop Tools & Equipment	Digital I.C. Trainer	1	1	15 Yrs.	YES
59	Shop Floor Furniture And Materials	Instructor's table	1	1	15 Yrs.	YES
60	Shop Floor Furniture And Materials	Instructor's chair	2	1	15 Yrs.	YES
61	Shop Floor Furniture And Materials	Almirah	1	1	15 Yrs.	YES
62	Shop Floor Furniture And Materials	Fire Extinguisher CO2	2	1	15 Yrs.	YES