

PROFILE

INDUSTRIAL TRAINING INSTITUTE NALBARI



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

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A. Baseline Characteristics of Government Industrial Training Institute Nalbari

Government Industrial Training Institute (ITI), Nalbari (GU18000016), established in 1987, is a rural co-educational vocational training institution located at Vill- Sariahtali, PO- Milanpur, Dist- Nalbari, Assam (PIN-78337). The institute is presently graded at level 7.3 and has been contributing significantly towards development of skilled manpower in the district through training programmers aligned with NCVT/SCVT norms. The institute currently offers a diversified portfolio of 11 unique trades, comprising 10 engineering trades and 1 non-engineering trades, delivered across multiple shifts. Further, under the Institute Management Committee (IMC) and Centre of Excellence framework in collaboration with Tata Technologies Ltd., the institute is being strengthened with emerging Industry 4.0 aligned trades, with additional advanced courses proposed for operationalization from the academic year 2026.

Institute Details

SN	Particulars	Detail
1.	Institute Name	Government Industrial Training Institute Nalbari (GU18000016) (Spoke ITI)
2.	Institute Location: (Rural/Urban)	Rural
3.	Is it Women ITI Only? (Yes / Co-ed)	CoEd
4.	Pin Code	781337
5.	Email Id	nalbariiti@gmail.com
6.	Mobile No	9854120528
7.	District	Nalbari
8.	Complete address	Vill- Sariahtali, Po- Milanpur, PS- Nalbari, PIN- 781337
9.	Latitude	26.468746
10.	Longitude	91.427461
11.	Year in operation	1987
12.	Current grading of ITI	7.3

1. Current ITI management and IMC composition (if IMC is present)

a. Details of Head of the ITI

SN	Particulars	Detail
1	Name	Krishna Bania
2	Designation (Sr. Principal/ Principal/ Superintendent)	Superintendent
3	Email	nalbariiti@gmail.com
4	Mobile	9854120528

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	Trans Virtual Pvt Ltd.
c.	Date of Notification of the IMC	2008

c. IMC composition

SN	Name of Member	Designation in IMC (Chairman / Member Secretary/ Member)	Category / Representation (Industry / Govt / Principal / Faculty/Trainee)	Organization
1.	Sri Biswajit Hazarika	Chairman	Industry	Trans virtual Pvt Ltd
2.	Sri Krishna Bania	Member Secretary	Principal	ITI Nalbari
3.	Sri Diganta Hazarika	Member	Industry	Trans virtual Pvt Ltd
4.	Sri Prakash Sutradhar	Member	Industry	Trans virtual Pvt Ltd
5.	Dr. N. Saikia	Member	Industry	Trans virtual Pvt Ltd
6.	Vacant	Member	Industry	
7.	Employment Officer	Member	District Employment Officer	EO, District Employment Exchange
8.	Joint Director, DECT	Member	DECT	DECT
9.	Vacant	Member	Academic Expert	
10.	Sr. Faculty of ITI	Member	Senior faculty member	Sr. Faculty ITI Nalbari
11.	Trainee re-presentative	Member	Trainee	Trainees ITI Nalbari

2. List of courses offered- Trade and Unit details

SN	Trade Name	Trade Type	Trade affiliation	No. of Unit			
				Shift 1	Shift 2	Shift 3	Total
1.	Electrician	Engineering	NCVT	1	1	-	2
2.	Electrician	Engineering	NIMC*	-	1	-	1
3.	Fitter	Engineering	NIMC	1	1	-	2
4.	Mechanic Motor Vehicle	Engineering	NIMC	1	1	-	2
5.	Electronics Mechanic	Engineering	NCVT	1	-	-	1
6.	Electronics Mechanic	Engineering	SIMC**	1	-	-	1
7.	Refrigeration & Air Conditioning Technician	Engineering	NCVT	1	-	-	1
8.	Refrigeration & Air Conditioning Technician	Engineering	NIMC	-	1	-	1
9.	Computer Operator and programming Assistant	Non-Engineering	NCVT	1	-	-	1
10.	Computer Operator and programming Assistant	Non-Engineering	NIMC	-	1	-	1
11.	Mechanic Auto Body Painting	Engineering	NIMC	1	-	-	1
12.	Mechanic Auto Body Repairing	Engineering	NIMC	1	-	-	1
13.	Solar Technician (Electrical)	Engineering	SIMC	1	-	-	1
14.	Industrial Robotics & Digital Manufacturing Technician (TTL)	Engineering	SIMC	1	1	-	2
15.	Basic Designer and Virtual Verifier (Mechanical)(TTL)	Engineering	SIMC	1	1	-	2
16.	CNC Machining Technician	Engineering	SIMC	1	1	-	2
17.	Mechanic Electric Vehicle	Engineering	SIMC	1	1	-	2
18.	Manufacturing Process Control & Automation	Engineering	SIMC	Trades ready for operationalization from the next academic year under the Centre of Excellence (CoE), established in collaboration with Tata Technologies Ltd.			
19.	Artisan using Advanced Tools	Non-Engineering	SIMC				
Total				14	10	-	24

* 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.	Electrician	SCVT	2022-24	19	1	20	11	2	3	4	0
2.	Electrician	SCVT-IMC	2022-24	20	0	20	13	1	0	6	0
3.	Electrician	NCVT	2023-25	17	3	20	12	2	3	3	0
			2024-26	18	2	20	8	2	5	5	0
			2025-27	14	6	20	6	2	4	8	0
4.	Electrician	NCVT-IMC	2024-26	20	0	20	10	3	2	5	0
5.	Fitter	NCVT-IMC	2023-25	17	2	19	10	2	3	4	0
			2025-27	36	4	40	19	7	5	9	0
6.	Fitter	NCVT	2023-25	16	2	18	8	2	2	6	0
7.	Mechanic Motor Vehicle	NCVT	2023-25	20	1	21	7	2	3	9	0
8.	Mechanic Motor Vehicle	NCVT-IMC	2023-25	24	0	24	15	3	3	3	0
			2025-27	48	0	48	27	3	5	13	0
9.	Electronics Mechanic	NCVT	2023-25	14	1	15	8	3	1	3	0
			2025-27	23	1	24	15	2	1	6	0
10.	Electronics Mechanic	SCVT-IMC	2025-27	24	0	24	15	0	2	7	0
11.	Refrigeration & Air Conditioning Technician	SCVT	2022-24	23	1	24	14	1	2	7	0
12.	Refrigeration & Air Conditioning Technician	SCVT-IMC	2022-24	9	0	9	4	1	0	4	0
13.	Refrigeration & Air Conditioning Technician	NCVT	2024-26	24	0	24	14	2	1	7	0
14.	Refrigeration & Air Conditioning Technician	NCVT-IMC	2024-26	19	0	19	8	1	2	8	0
15.	Computer Operator and programming Assistant	SCVT	2022-23	12	5	17	9	2	3	3	0
16.	Computer Operator and programming Assistant	SCVT-IMC	2022-23	13	3	16	5	0	10	1	0

SN	Trade Name	Course Type	Year	Total Enrolled			By Category				
				Male	Female	Total	General	SC	ST	OBC	PwD (if any)
17.	Computer Operator and programming Assistant	NCVT	2023-24	10	8	18	10	3	1	4	0
			2024-25	15	9	24	6	5	4	8	1
			2025-26	13	11	24	8	3	3	9	1
18.	Computer Operator and programming Assistant	NCVT-IMC	2023-24	8	3	11	5	2	3	1	0
			2024-25	12	0	12	8	1	0	3	0
			2025-26	14	3	17	12	0	1	3	1
19.	Mechanic Auto Body Painting	NCVT-IMC	2023-24	6	0	6	4	1	0	1	0
			2024-25	12	0	12	3	2	4	3	0
			2025-26	10	0	10	4	1	3	2	0
20.	Mechanic Auto Body Painting	SCVT-IMC	2022-23	9	0	9	7	0	0	2	0
21.	Mechanic Auto Body Repairing	NCVT-IMC	2023-24	20	0	20	11	1	4	4	0
			2024-25	20	0	20	14	2	0	4	0
			2025-26	20	0	20	15	1	1	3	0
22.	Mechanic Auto Body Repairing	SCVT-IMC	2022-23	7	0	7	2	0	0	5	0
23.	Industrial Robotics & Digital Manufacturing Technician	SCVT-IMC	2024-25	19	1	20	11	2	4	3	0
			2025-26	10	1	11	7	1	0	3	0
24.	Basic Designer and Virtual Verifier (Mechanical)	SCVT-IMC	2024-26	24	0	24	10	4	4	6	0
25.	Solar Technician (Electrical)	SCVT-IMC	2025-26	19	0	19	13	2	1	3	0
Total				678	68	746	388	74	93	188	3

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 (in %)			
			Male	Female	Total	Gen	SC	ST	OBC	PwD	Employed	Self-Employed	Higher Education	Unemployed
1.	Computer Operator and programming Assistant	NCVT/NIMC	19	5	24	11	4	2	7	0	10%	50%	20%	20%
2.	Electrician	NCVT	10	2	12	5	2	3	2	0	30%	60%	5%	5%
3.	Electronics Mechanic	NCVT	9	0	9	4	2	2	1	0	10%	50%	20%	20%
4.	Fitter	NCVT/NIMC	25	2	27	15	2	4	6	0	30%	10%	20%	40%
5.	Mechanic Motor Vehicle	NCVT/NIMC	26	1	27	14	3	4	6	0	60%	5%	15%	30%
6.	Mechanic Auto Body Painting	NCVT-IMC	11	0	11	5	2	1	3	0	70%	0%	10%	20%
7.	Mechanic Auto Body Repairing	NCVT-IMC	17	0	17	10	2	3	2	0	80%	0%	10%	10%
Total			117	10	127	64	17	19	27	-				

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	Instructor in position						Vacancy (Regular)	
						Regular	Regular	Officiating ¹	Engaged under IMC	Total			
										Male	Female		Total
1	Computer Operator and programming Assistant	NCVT	1	1	1	1	-	-	1	-	1	-	
2	Computer Operator and programming Assistant	NCVT-IMC	1	1	-	-	-	1	-	1	1	-	
3	Electrician	NCVT	2	2	2	1	-	1	2	-	2	1	
4	Electrician	NCVT-IMC	1	1	-	-	-	1	1	-	1	-	
5	Electronics Mechanic	NCVT	1	1	1	1	-	-	1	-	1	-	
6	Electronics Mechanic	SCVT-IMC	1	1	-	-	-	1	1	-	1	-	
7	Fitter	NCVT	1	1	1	-	-	1	1	-	1	1	
8	Fitter	NCVT-IMC	1	1	-	-	-	1	1	-	1	-	
9	Mechanic Motor Vehicle	NCVT	1	1	-	-	-	1	1	-	1	-	
1-	Mechanic Motor Vehicle	NCVT-IMC	1	1	-	-	-	1	1	-	1	-	
11	Mechanic Auto Body Painting	NCVT-IMC	1	1	-	-	-	1	1	-	1	-	

SN	Trade name	Trade affiliation	No. of units available	No. of position required	No. of sanctioned post	Instructor in position						Vacancy (Regular)
						Regular	Regular	Officiating ¹	Engaged under IMC	Total		
					Male					Female	Total	
12	Mechanic Auto Body Repair	NCVT-IMC	1	1	-	-	-	1	1	-	1	-
13	Refrigeration & Air Conditioning Technician	NCVT	1	1	1	1	-	-	1	-	-	-
14	Refrigeration & Air Conditioning Technician	NCVT-IMC	1	1	-	-	-	1	1	-	1	-
15	Basic Designer and Virtual Verifier (Mechanical)	SCVT-IMC	1	1	-	-	1	-	1	-	1	-
16	Industrial Robotics & Digital Manufacturing Technician	SCVT-IMC	1	1	-	-	1	-	1	-	1	-
Total			17	17	6	4	2	11	16	1	17	2

6. Staff Detail- Administrative staff

SN	Staff Detail	No. of position required	No. of sanctioned post	Available staff			Vacancy (Regular)
				Regular	Engaged under IMC	Total	
1.	Supervisor	1	1	1	-	1	0
2.	Senior Assistant	1	1	0	-	0	1
3.	Junior Assistant	1	1	1	-	1	0
4.	Store- Keeper	1	1	0	-	0	1
5.	Grade-IV (Jugali, Mali, Chowkidar, H/ Attd., Peon, Hostel, Manial)	5	5	3	1	4	2
6.	Sweeper	1	1	0	1	1	1
7.	Workshop Attendant	2	2	1	-	1	1
Total		12	12	6	2	8	6

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

SN	Particulars	Available
1.	Total Plot Area (in Acres/ Bigha)	20.12 Acres (60 Bigha)
2.	No. of RCC building available (Mark NA, if not available)	NA
3.	No. of Non-RCC Building available (Mark NA, if not available)	6 Nos.
4.	No. of Rooms available in the building	Classroom: 06 Nos. Workshop : 09 Nos.
5.	Staff Quarter Available (Yes/No)	Not Available
6.	Hostel Available – Boys & Girls (Yes/No)	Hostel Available: 400 Sqm
7.	Size of the Classroom (Sqm)	1. Classroom 1: 37sqm 2. Classroom 2: 37 sqm 3. Classroom 3: 37 sqm 4. Classroom 4: 37 sqm 5. Classroom 5: 37 sqm 6. Classroom 6: 37 sqm Total Area: 222 Sqm
8.	Size of the Workshop (Sqm)	1. Workshop 1: 80 sqm 2. Workshop 2: 80 sqm 3. Workshop 3: 80 sqm 4. Workshop 4: 70 sqm 5. Workshop 5: 60 sqm 6. Workshop 6: 70 sqm 7. Workshop 7: 90 sqm 8. Workshop 8: 92 sqm 9. Workshop: 929 sqm (CoE) Total Area: 1448 Sqm
9.	Total building area (In square meter)	1800 sqm
10.	Boundary Wall available (Yes/No)	Yes
11.	Total Seat capacity (SCVT, NCVT and IMC trades)	396
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)	Yes
17.	Placement/Counselling Room (Yes/ No)	Yes
18.	Reception cum Waiting Lobby (Yes/ No)	Yes

SN	Particulars	Available
19.	Multipurpose Hall / Courtyard (Yes/ No)	NO (Requirement 500 Sqm)
20.	Library Reading Room (Yes/ No)	NO (Requirement 40 Sqm)
21.	Canteen (including kitchen & pantry) (Yes/ No)	Yes
22.	First Aid Room (Yes/ No)	Yes
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: No Separate Toilet
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)	33,445 Sqm
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: 23 kW	
2	Backup Power (DG Set)	Yes	DG: 200 kVA	For CoE
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 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	-	-	-	-
2	Production Centre Revenue	-	-	-	-
3	External Training (i.e. PMKVY, Jal Mitra etc.)	-	-	-	-
4	Other (Specify)	-	-	-	-

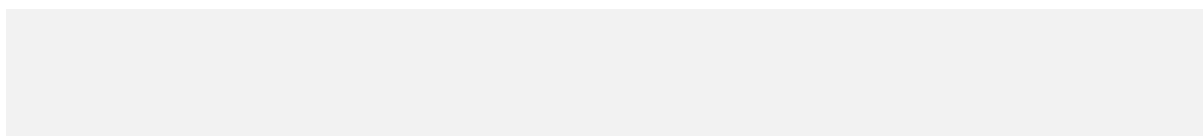
11. Composition of Internal Complaint Committee (ICC)

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

SN	Member Name	Role in ICC	Gender	Designation	Nomination Date	Details of Training undertaken
1	Sri Nripen Bakshi	Chairman	M	Supervisor	1st August 2025	No
2	Sri Deben Malakar	Member	M	Instructor	1st August 2025	No
3	Sri Pranjal Das	Member	M	Instructor	1st August 2025	No
4	Smt. Lintu Deka	Member	F	Instructor	1st August 2025	No

(a) ICC Functioning and Effectiveness (Workplace Safety Monitoring)

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



B. Indicative Upgradation Requirements Identified by the State

1. Civil Infrastructure Upgradation

Under the PM-SETU scheme, comprehensive civil upgradation is proposed for Government ITI Nalbari with the objective of developing a modern, compliant, and learner-centric training ecosystem. The key civil interventions include:

- i. Refurbishment and strengthening of the existing built-up infrastructure of approximately 1800 sqm to align with the latest NCVT/NCVT norms.
- ii. Repair, renovation, and retrofitting of existing classrooms, workshops, and institute buildings to improve safety, functionality, and training quality.
- iii. New construction of additional classrooms, workshops, and essential institute amenities to address infrastructure gaps, support expanded trade capacity, and enable introduction of emerging technology-oriented courses.
- iv. Provision of required electrical installations and services, including internal electrification, power distribution, lighting, safety systems, and readiness for modern equipment and Industry 4.0 labs.
- v. Development of supporting infrastructure, such as water supply, sanitation facilities, storage areas, and other allied civil works required for smooth institute operations.
- vi. Installation of modern furniture, fixtures, and workshop furnishings, including classroom seating, instructor stations, tool storage systems, and common facility improvements to create an enhanced learning environment.
- vii. Construction of three residential quarters, namely: Principal's Quarter, Staff Quarter and Grade-IV Staff Quarter to strengthen institutional management, improve staff availability on campus, and support effective training delivery and governance.

1.1 New Construction Projects (indicative)

SN	Project	Details of required Rooms	Estimated Plinth Area (sqm)	Rate (Rs. /sqm)	indicative Amount (in Cr.)
1	Civil works for New trade	Classroom (2 classroom X 25 sqm)	50	Rs. 30,920 as per CPWD PAR 2025	0.15
		Workshop (2 Workshops X Approx.100 sqm)	200		0.62
2	New Block	Multipurpose hall/courtyard, library and reading room, separate toilet for Divyang, security and access control point, and ramps and infrastructure for persons with disabilities etc.	555		1.71
3	Electrical installation	In all newly constructed area	805	12.5% of total budget estimate	0.31
4	Hostel	100 capacities (for boys)	800	24,410	1.95

SN	Project	Details of required Rooms	Estimated Plinth Area (sqm)	Rate (Rs. /sqm)	indicative Amount (in Cr.)
		Electrical installation	800	12.5% of total budget estimate	0.24
5	Parking area	For 15 Car and 300 bikes	600	Rs. 2,945 (CPWD PAR 2025 (item-6.2.3))	0.18
Total indicative cost (in Cr.)					5.16

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. Administrative Area ii. Classroom and Workshop iii. Library and Reading Room iv. Separate Toilets (Male / Female) v. Ramps and infrastructure for person with disabilities	1800	40% of equivalent new construction cost (Rs. 30,920) (industry standard)	2.23
Electrical installation	All area	1800	12.5% of total budget	0.28
Total Amount (in Cr.)				2.51

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)	6.00

SN	Project	Indicative Lump Sum Range (in crore)
2	Fixed workshop fittings & partitions	1.00
3	Digital & Smart Infrastructure	1.00
4	CCTV surveillance & access control	0.30
5	Campus Wi-Fi & IT networking	0.30
6	Signage, branding & way-finding	0.30
7	Landscaping & green campus development	0.70
Total indicative cost (in Cr.)		9.60

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/NCVT norms and evolving industry requirements.

In addition, select new and emerging trades are proposed to be introduced, particularly through the Centre of Excellence (CoE), to support Industry 4.0, green skills, and future-ready workforce development.

The proposed trades for upgradation and introduction are presented in the table below, covering both Hub and Spoke ITIs.

These 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

Details of Existing trades need to be upgraded (Tools & Equipments)

The upgradation of existing trades is essential to align training delivery with the latest NCVT/NCVET norms and evolving industry standards. Many trades require modernization of tools, equipment, and workshop infrastructure to match current technologies and workplace practices. Strengthening these trades through upgradation will enhance trainee competency, improve employability outcomes, and ensure the institute remains responsive to emerging sectoral skill demands.

SN	Trade Name	Trade Type	Trade affiliation	No. of Unit				Upgrade required (Yes/No)	Estimated cost for upgradation (in Cr.)
				Shift 1	Shift 2	Shift 3	Total		
1.	Electrician	Engineering	NCVT & NIMC	1	2	-	3	Yes	0.40
2.	Fitter	Engineering	NIMC	1	1	-	2	Yes	0.80
3.	Mechanic Motor Vehicle	Engineering	NIMC	1	1	-	2	Yes	0.65
4.	Electronics Mechanic	Engineering	NCVT & SIMC	2	-	-	2	Yes	0.50
5.	Refrigeration & Air Conditioning Technician	Engineering	NCVT & NIMC	1	1	-	2	Yes	0.65
6.	Mechanic Auto Body Painting	Engineering	NIMC	1	-	-	1	Yes	0.65
7.	Mechanic Auto Body Repairing	Engineering	NIMC	1	-	--	1	Yes	0.10
8.	Solar Technician (Electrical)	Engineering	SIMC	1	-	-	1	Yes	0.31
9.	Industrial Robotics & Digital Manufacturing Technician	Engineering	SIMC	1	1	-	1	No	0
10.	Basic Designer and Virtual Verifier (Mechanical)	Engineering	SIMC	1	1	-	1	No	0
11.	CNC Machining Technician	Engineering	To be affiliated	1	1	-	2	Requirement - only unit wise trainee hand tools	0.20
12.	Mechanic Electric Vehicle	Engineering	To be affiliated	1	1	-	2		0.20
13.	Manufacturing Process Control & Automation	Engineering	To be affiliated	1	1	-	2		0.20
14.	Artisan using Advanced Tools	Non-Engineering	To be affiliated	1	1	-	2		0.20
Total Amount (in Cr.)									4.86

b. Introduction of new CTS courses in emerging sectors

The proposed list of new trades is indicative and has been identified based on current and 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, and are intended to enhance the institute's relevance and trainee employability under the PM-SETU framework. The proposed interventions also respond to the increasing requirement of trained manpower across key growth sectors in the upcoming labour market, ensuring availability of skilled technicians for expanding industrial and service ecosystems.

In line with the scheme's focus on Curriculum and Training Quality (including adoption of green practices), the project envisages upgradation of courses as per industry requirements, with a target of 10 courses per Hub ITI and 08 courses per Spoke ITI. Further, the introduction of new CTS courses is proposed at 4 per Hub ITI and 2 per Spoke ITI, along with the launch of 10 new short-term courses per Hub-and-Spoke ITI cluster.

The Industry Partner may select any trade(s) from the indicative list and may also propose additional trades based on their technical expertise, operational strengths, and sectoral focus. The indicative trades are suggestive in nature, and the Industry Partner is not bound to adopt only these trades. They may introduce other placement-linked and demand-driven trades in lieu of or in addition to the listed options, in accordance with present and future labour market needs, emerging technologies, and the workforce requirements of their own industry, partner industries, as well as other relevant industries in the ecosystem.

List of Proposed New Trades along with Cost Estimates:

a) Long Term Trade:

The proposed long-term trades have been identified based on present and emerging industry demand, local employment potential, and sectoral growth opportunities. These trades are aligned with evolving technologies and are intended to strengthen the institute's relevance, trainee employability, and Industry 4.0 readiness under the PM-SETU framework.

Indicative List of Long-Term Trades

A. Advanced Technology Trades (High Capital and 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. Technology-Enabled Trades (Moderate Capital and Equipment 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. Digital and Simulation-Based Trades (Lower Capital, ICT/Simulation Driven)

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

NB- The above list is indicative in nature. The Industry Partner may also propose and undertake other placement-linked and demand-driven trades of similar cost and infrastructure requirements, based on their sectoral expertise, workforce needs, and emerging labour market opportunities.

b) 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	Manpower 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 2 new trades in spoke)	10	14	24	25000	30.00	75.00	82.50	90.75	99.83	378.08	Existing vacancy (Regular): Electrician and Fitter (2) Existing trade under IMC: Refrigeration & Air Conditioning Technician, Computer Operator and programming Assistant, Electronics Mechanic, Fitter, Mechanic Motor Vehicle, Mechanic Auto Body Painting, Mechanic Auto Body Repair and Electrician (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: 2 new trades (4) (for Spoke)

SN	Manpower 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		
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-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		10	17	27		49.20	96.12	105.73	116.30	127.94	495.29	

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 Nalbari 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)	1.62
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 692 estimated trainees)	0.26
5	OJT for trainee (@400 per trainee for 692 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 per year	0.23
Total Amount (in Cr.)		4.71

5. Summary of Indicative Cost Estimates

The indicative cost estimates for upgradation of Government ITI Nalbari under the PM-SETU scheme have been developed to support a comprehensive transformation of the institute into a modern, industry-aligned and future-ready skill development centre. The proposed investment covers civil infrastructure development, repair and renovation works, modernization of training facilities, upgradation of existing trades, introduction of new and emerging technology-oriented trades, and delivery of placement-linked short-term courses. The estimates also provide for essential manpower support and recurring operational expenditure to ensure effective implementation, sustainability, and improved trainee outcomes.

It is further clarified that these costs are purely indicative in nature. The Industry Partner is required to undertake a detailed site visit and institutional assessment of the ITI, as envisaged in the RFP, before finalizing and submitting the detailed proposal and financial estimates.

SN	Component	Estimated Cost (in Cr.)
1	Civil Part- New Construction Projects	5.16
2	Civil Part- Repair, Renovation & Upgradation Projects	2.51
3	ITI Modernization & Supporting Works	9.6
4	Estimated cost for upgradation of existing trade	4.86
5	Proposed New trade (-2 trade for Spoke)	3
6	Short Term Courses	0.16
7	Manpower Cost	4.95
8	Recurring Expenditure-	4.71
Total indicative Amount (in Cr.)		34.95
Contingency (10%)		3.50
Grand Total Amount (in Cr.)		38.45

5.1 Year-wise Indicative Expenditure Plan (Five Years)

The year-wise indicative expenditure plan for Government ITI Nalbari 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)	1.55	3.10	0.52	0.00	0.00	5.16
2	Civil Part- Repair, Renovation & Upgradation Projects(40:60)	1.00	1.51	0.00	0.00	0.00	2.51
3	ITI Modernization & Supporting Works(40:60)	3.84	5.76	0.00	0.00	0.00	9.60
4	Estimated cost for upgradation of existing trade(50:50)	2.43	2.43	0.00	0.00	0.00	4.86
5	Proposed New trade to be introduced- two trades(50:50)	0.00	0.00	1.50	1.50	0.00	3.00
6	Short Term Courses (50:50)	0.08	0.08	0.00	0.00	0.00	0.16
7	Manpower Cost	0.49	0.96	1.06	1.16	1.28	4.95
8	Recurring Expenditure-(20%X5)	0.94	0.94	0.94	0.94	0.94	4.71
Total indicative Amount (in Cr.)		10.34	14.78	4.02	3.61	2.22	34.95
Contingency (10%)							3.50
Grand Total Amount (in Cr.)							38.45

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 (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	7	12yrs	yes
2	Trainees Tools/ Equipment	Laser Printer	1	1	12yrs	yes
3	Trainees Tools/ Equipment	Optical Scanner	1	1	12yrs	yes
4	Trainees Tools/ Equipment	Crimping Tool	5	1	12yrs	yes
5	Trainees Tools/ Equipment	Network Rack	1	1	20yrs	yes
6	Other Items/ Furniture	Chair and table for the instructor	4	1	20ys	yes
7	Other Items/ Furniture	Dual Desk or Chair and Tables for Trainees	12	12		yes
8	Other Items/ Furniture	Computer table	12	12	12yrs	yes
9	Other Items/ Furniture	Operators chair	24	20	01yr	yes
10	Other Items/ Furniture	Printer table	3	2	20yrs	yes
11	Other Items/ Furniture	White Board	1	1	20yrs	yes
12	Other Items/ Furniture	Steel Almirah	1	2	20yrs	yes
13	Other Items/ Furniture	Fire Extinguisher CO2	2	1	20yrs	No

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	15	10 Yrs.	Yes
2	Trainees Tool Kit	Screwdriver Insulated	21	16	10 Yrs.	Yes
3	Trainees Tool Kit	Screwdriver Insulated	21	16	10 Yrs.	Yes
4	Trainees Tool Kit	Electrician screwdriver thin stem insulated handle	21	4	10 Yrs.	Yes
5	Trainees Tool Kit	Heavy Duty Screwdriver insulated	21	2	10 Yrs.	Yes
6	Trainees Tool Kit	Electrician Screwdriver thin stem insulated handle	21	3	10 Yrs.	Yes
7	Trainees Tool	Punch Centre	21	4	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
	Kit					
8	Trainees Tool Kit	Neon Tester	21	5	10 Yrs.	Yes
9	Trainees Tool Kit	Steel Rule Graduated both in Metric and English Unit	21	15	10 Yrs.	Yes
10	Trainees Tool Kit	Hammer, cross peen with handle	21	6	10 Yrs.	Yes
11	Shop Tools & Equipment	Hammer, ball peen With handle	4	8	10 Yrs.	Yes
12	Shop Tools & Equipment	Pincer	4	1	10 Yrs.	Yes
13	Shop Tools & Equipment	Blow lamp brass	1	1	10 Yrs.	Yes
14	Shop Tools & Equipment	Chisel firmer with wooden Handle	2	10	10 Yrs.	Yes
15	Shop Tools & Equipment	Grease Gun	1	1	10 Yrs.	Yes
16	Shop Tools & Equipment	Pully Puller with 3 legs	1	1	10 Yrs.	Yes
17	Shop Tools & Equipment	Crimping Tool	2	2	10 Yrs.	Yes
18	Shop Tools & Equipment	Crimping Tool	2	2	10 Yrs.	Yes
19	Shop Tools & Equipment	Hacksaw frame	2	2	10 Yrs.	Yes
20	Shop Tools & Equipment	Inside Calliper	2	2	10 Yrs.	Yes
21	Shop Tools & Equipment	Pliers long nose insulated	4	4	10 Yrs.	Yes
22	Shop Tools & Equipment	Pliers flat nose insulated	4	4	10 Yrs.	Yes
23	Shop Tools & Equipment	Pliers round nose insulated	4	4	10 Yrs.	Yes
24	Shop Tools & Equipment	D.E. metric Spanner Double Ended	2	2	10 Yrs.	Yes
25	Shop Tools & Equipment	Plane cutters	2	2	10 Yrs.	Yes
26	Shop Tools & Equipment	Smoothing cutters	2	2	10 Yrs.	Yes
27	Shop Tools & Equipment	File flat	8	4	10 Yrs.	Yes
28	Shop Tools & Equipment	File half round	4	2	10 Yrs.	Yes
29	Shop Tools & Equipment	File round	4	1	10 Yrs.	Yes
30	Shop Tools & Equipment	File flat rough	4	1	10 Yrs.	Yes
31	Shop Tools & Equipment	File Rasp, half round	4	2	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
32	Shop Tools & Equipment	De soldering Gun	4	4	10 Yrs.	Yes
33	Shop Tools & Equipment	Table Vice	8	4	10 Yrs.	Yes
34	Shop Tools & Equipment	Oil Can	2	1	10 Yrs.	Yes
35	Shop Tools & Equipment	Hydrometer	2	1	10 Yrs.	Yes
36	Shop Tools & Equipment	Portable Electric Drill Machine	1	1	10 Yrs.	Yes
37	Shop Tools & Equipment	Load Bank (Lamp / heater Type)	1	1	10 Yrs.	Yes
38	Shop Tools & Equipment	Out Side Micrometer	2	2	10 Yrs.	Yes
39	Shop Tools & Equipment	Series Test Lamp	4	4	10 Yrs.	Yes
40	Shop Tools & Equipment	Knife Switch DPDT fitted with fuse terminals	4	4	10 Yrs.	Yes
41	Shop Tools & Equipment	Knife Switch TPDT fitted with fuse terminals	4	4	10 Yrs.	Yes
42	Shop Tools & Equipment	MCCB	1	1	10 Yrs.	Yes
43	Shop Tools & Equipment	ELCB and RCCB	1	1	10 Yrs.	Yes
44	Shop Tools & Equipment	Fuses	4	4	10 Yrs.	Yes
45	Shop Tools & Equipment	Rheostat (Sliding type)	1	1	10 Yrs.	Yes
46	Shop Tools & Equipment	Capacitors	2	2	10 Yrs.	Yes
47	Shop Tools & Equipment	Plug socket Piano Switch Lamp Holder	2	2	10 Yrs.	Yes
48	Shop Tools & Equipment	Cables: Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable	1	1	10 Yrs.	Yes
49	Shop Tools & Equipment	Bus bar with brackets	3	3	10 Yrs.	Yes
50	Shop Tools & Equipment	Rubber mat	2	2	10 Yrs.	Yes
51	Shop Tools & Equipment	RCC Pole with accessories (MS angle iron, 'C' clamp, stay	1	1	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		insulator etc.) and materials				
52	Shop Tools & Equipment	Ohm Meter; Series Type & Shunt Type, portable box type	2	2	10 Yrs.	Yes
53	Shop Tools & Equipment	Digital Multi Meter	12	4	10 Yrs.	Yes
54	Shop Tools & Equipment	A.C. Voltmeter M.I. analogue, portable box type housed in Bakelite case	3	3	10 Yrs.	Yes
55	Shop Tools & Equipment	Milli Voltmeter centre zero analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
56	Shop Tools & Equipment	Ammeter MC analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
57	Shop Tools & Equipment	AC Ammeter MI, analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
58	Shop Tools & Equipment	Kilo Wattmeter Analog	2	2	10 Yrs.	Yes
59	Shop Tools & Equipment	A.C. Energy Meter	2	2	10 Yrs.	Yes
60	Shop Tools & Equipment	A.C. Energy Meter	2	2	10 Yrs.	Yes
61	Shop Tools & Equipment	Tachometer	1	1	10 Yrs.	Yes
62	Shop Tools & Equipment	Tachometer	1	1	10 Yrs.	Yes
63	Shop Tools & Equipment	Tong Tester / Clamp Meter	2	2	10 Yrs.	Yes
64	Shop Tools & Equipment	Megger	2	2	10 Yrs.	Yes
65	Shop Tools & Equipment	3- point D.C. Starter	1	1	10 Yrs.	Yes
66	Shop Tools & Equipment	4- point D.C. Starter	1	1	10 Yrs.	Yes
67	Shop Tools & Equipment	AC Starters: - a. Resistance type starter b. Direct online Starter c. Star Delta Starter- Manual d. Star Delta Starter – Semi automatic e. Star Delta Starter – Fully automatic f. Star Delta Starter - Soft starter g. Auto Transformer type	1	1	10 Yrs.	No
68	Shop Tools & Equipment	Soldering Iron	2	2	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
69	Shop Tools & Equipment	Temperature controlled Soldering Iron	2	1	16 Yrs.	No
70	Shop Tools & Equipment	A.C. Ceiling Fan and AC Table Fan	1	1	18 Yrs.	Yes
71	Shop Tools & Equipment	Oil Testing Kit	1	1	10 Yrs.	Yes
72	Shop Tools & Equipment	Current Transformer	2	2	10 Yrs.	Yes
73	Shop Tools & Equipment	Pentium IV Computer or latest	2	2	10 Yrs.	Yes
74	Shop Machinery	D.C. Shunt Generator with control panel	1	1	10 Yrs.	Yes
75	Shop Machinery	Motor-Generator (AC to DC)	1	1	10 Yrs.	Yes
76	Shop Machinery	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker	1	1	10 Yrs.	Yes
77	Shop Machinery	DC Series Motor coupled with spring balance load	1	1	10 Yrs.	Yes
78	Shop Machinery	DC Shunt Motor	1	1	10 Yrs.	Yes
79	Shop Machinery	DC compound Motor with starter and switch	1	1	10 Yrs.	Yes
80	Shop Machinery	Motor Generator(DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling.	1	1	10 Yrs.	Yes
81	Shop Machinery	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load.	1	1	10 Yrs.	Yes
82	Shop Machinery	AC phase-wound slip ring Motor with starter switch	1	1	10 Yrs.	Yes
83	Shop Machinery	Universal Motor with starter/switch	1	1	10 Yrs.	Yes
84	Shop Machinery	Three phase transformer, shell type oil cooled with	2	2	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		Delta/ Star				
85	Shop Machinery	Electrical Machine Trainer –	1	1	10 Yrs.	Yes
86	Shop Machinery	Used DC Generators-series, shunt and compound type for overhauling practice	1	1	10 Yrs.	Yes
87	Shop Machinery	A.C. Series type Motor	1	1	10 Yrs.	Yes
88	Shop Machinery	Single Phase Capacitor Motor with starter switch	1	1	10 Yrs.	Yes
89	Shop Floor Furniture And Materials	Working Bench	4	1	10 Yrs.	Yes
90	Shop Floor Furniture And Materials	Instructor's table	1	1	10 Yrs.	Yes
91	Shop Floor Furniture And Materials	Instructor's chair	2	2	10 Yrs.	Yes
92	Shop Floor Furniture And Materials	Metal Rack	4	2	10 Yrs.	Yes
93	Shop Floor Furniture And Materials	Lockers with drawers	1	1	10 Yrs.	Yes
94	Shop Floor Furniture And Materials	Almirah	1	1	10 Yrs.	Yes
95	Shop Floor Furniture And Materials	Fire Buckets	2	2	10 Yrs.	Yes

3. Electronics Mechanic

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	21	15	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		Plier Insulated				
2	Trainees Tool Kit	Screwdriver Insulated	21	16	10 Yrs.	Yes
3	Trainees Tool Kit	Screwdriver Insulated	21	16	10 Yrs.	Yes
4	Trainees Tool Kit	Electrician screwdriver thin stem insulated handle	21	4	10 Yrs.	Yes
5	Trainees Tool Kit	Heavy Duty Screwdriver insulated	21	2	10 Yrs.	Yes
6	Trainees Tool Kit	Electrician Screwdriver thin stem insulated handle	21	3	10 Yrs.	Yes
7	Trainees Tool Kit	Punch Centre	21	4	10 Yrs.	Yes
8	Trainees Tool Kit	Neon Tester	21	5	10 Yrs.	Yes
9	Trainees Tool Kit	Steel Rule Graduated both in Metric and English Unit	21	15	10 Yrs.	Yes
10	Trainees Tool Kit	Hammer, cross peen with handle	21	6	10 Yrs.	Yes
11	Shop Tools & Equipment	Hammer, ball peen With handle	4	8	10 Yrs.	Yes
12	Shop Tools & Equipment	Pincer	4	1	10 Yrs.	Yes
13	Shop Tools & Equipment	Blow lamp brass	1	1	10 Yrs.	Yes
14	Shop Tools & Equipment	Chisel firmer with wooden Handle	2	10	10 Yrs.	Yes
15	Shop Tools & Equipment	Grease Gun	1	1	10 Yrs.	Yes
16	Shop Tools & Equipment	Pully Puller with 3 legs	1	1	10 Yrs.	Yes
17	Shop Tools & Equipment	Crimping Tool	2	2	10 Yrs.	Yes
18	Shop Tools & Equipment	Crimping Tool	2	2	10 Yrs.	Yes
19	Shop Tools & Equipment	Hacksaw frame	2	2	10 Yrs.	Yes
20	Shop Tools & Equipment	Inside Calliper	2	2	10 Yrs.	Yes
21	Shop Tools & Equipment	Pliers long nose insulated	4	4	10 Yrs.	Yes
22	Shop Tools & Equipment	Pliers flat nose insulated	4	4	10 Yrs.	Yes
23	Shop Tools & Equipment	Pliers round nose insulated	4	4	10 Yrs.	Yes
24	Shop Tools & Equipment	D.E. metric Spanner Double Ended	2	2	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
25	Shop Tools & Equipment	Plane cutters	2	2	10 Yrs.	Yes
26	Shop Tools & Equipment	Smoothing cutters	2	2	10 Yrs.	Yes
27	Shop Tools & Equipment	File flat	8	4	10 Yrs.	Yes
28	Shop Tools & Equipment	File half round	4	2	10 Yrs.	Yes
29	Shop Tools & Equipment	File round	4	1	10 Yrs.	Yes
30	Shop Tools & Equipment	File flat rough	4	1	10 Yrs.	Yes
31	Shop Tools & Equipment	File Rasp, half round	4	2	10 Yrs.	Yes
32	Shop Tools & Equipment	De soldering Gun	4	4	10 Yrs.	Yes
33	Shop Tools & Equipment	Table Vice	8	4	10 Yrs.	Yes
34	Shop Tools & Equipment	Oil Can	2	1	10 Yrs.	Yes
35	Shop Tools & Equipment	Hydrometer	2	1	10 Yrs.	Yes
36	Shop Tools & Equipment	Portable Electric Drill Machine	1	1	10 Yrs.	Yes
37	Shop Tools & Equipment	Load Bank (Lamp / heater Type)	1	1	10 Yrs.	Yes
38	Shop Tools & Equipment	Out Side Micrometre	2	2	10 Yrs.	Yes
39	Shop Tools & Equipment	Series Test Lamp	4	4	10 Yrs.	Yes
40	Shop Tools & Equipment	Knife Switch DPDT fitted with fuse terminals	4	4	10 Yrs.	Yes
41	Shop Tools & Equipment	Knife Switch TPDT fitted with fuse terminals	4	4	10 Yrs.	Yes
42	Shop Tools & Equipment	MCCB	1	1	10 Yrs.	Yes
43	Shop Tools & Equipment	ELCB and RCCB	1	1	10 Yrs.	Yes
44	Shop Tools & Equipment	Fuses	4	4	10 Yrs.	Yes
45	Shop Tools & Equipment	Rheostat (Sliding type)	1	1	10 Yrs.	Yes
46	Shop Tools & Equipment	Capacitors	2	2	10 Yrs.	Yes
47	Shop Tools & Equipment	Plug socket Piano Switch Lamp Holder	2	2	10 Yrs.	Yes
48	Shop Tools & Equipment	Cables: Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor	1	1	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		Cable Coaxial Cable Direct-Buried Cable				
49	Shop Tools & Equipment	Bus bar with brackets	3	3	10 Yrs.	Yes
50	Shop Tools & Equipment	Rubber mat	2	2	10 Yrs.	Yes
51	Shop Tools & Equipment	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials	1	1	10 Yrs.	Yes
52	Shop Tools & Equipment	Ohm Meter; Series Type & Shunt Type, portable box type	2	2	10 Yrs.	Yes
53	Shop Tools & Equipment	Digital Multi Meter	12	4	10 Yrs.	Yes
54	Shop Tools & Equipment	A.C. Voltmeter M.I. analogue, portable box type housed in Bakelite case	3	3	10 Yrs.	Yes
55	Shop Tools & Equipment	Milli Voltmeter centre zero analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
56	Shop Tools & Equipment	Ammeter MC analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
57	Shop Tools & Equipment	AC Ammeter MI, analogue, portable box type housed in Bakelite case	2	2	10 Yrs.	Yes
58	Shop Tools & Equipment	Kilo Wattmeter Analog	2	2	10 Yrs.	Yes
59	Shop Tools & Equipment	A.C. Energy Meter	2	2	10 Yrs.	Yes
60	Shop Tools & Equipment	A.C. Energy Meter	2	2	10 Yrs.	Yes
61	Shop Tools & Equipment	Tachometer	1	1	10 Yrs.	Yes
62	Shop Tools & Equipment	Tachometer	1	1	10 Yrs.	Yes
63	Shop Tools & Equipment	Tong Tester /	2	2	10 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		Clamp Meter				
64	Shop Tools & Equipment	Megger	2	2	10 Yrs.	Yes

4. Fitter

SN	Category of T&E	Name of the Tools and Equipment	Quantity (No)	Qty Available	Approx. Age	Functional (Yes/No)
1	Hand Tools	Steel Rule with metric & British graduation	21	5	30 Yrs.	Yes
2	Hand Tools	Try Square.	21	11	30 Yrs.	Yes
3	Hand Tools	Caliper inside spring type.	21	5	30 Yrs.	Yes
4	Hand Tools	Caliper hermaphrodite spring type	21	5	30 Yrs.	Yes
5	Hand Tools	Caliper outside spring type	21	5	30 Yrs.	Yes
6	Hand Tools	Divider spring type	21	5	30 Yrs.	Yes
7	Hand Tools	Scriber	21	2	30 Yrs.	Yes
8	Hand Tools	Screw driver	21	6	30 Yrs.	Yes
9	Hand Tools	Hammer ball peen with handle	21	4	30 Yrs.	Yes
10	Hand Tools	Safety goggles.	21	2	30 Yrs.	Yes
11	Instruments	Steel Rule Graduated both in Metric and English Unit	4	4	30 Yrs.	Yes
12	Instruments	Straight edge steel	2	2	30 Yrs.	Yes
13	Instruments	Combination Set	2	1	30 Yrs.	Yes
14	Instruments	Vernier bevel protractor Blade with Acute Angle Attachment	1	1	30 Yrs.	Yes
15	Instruments	Screw pitch gauge Metric	1	1	30 Yrs.	Yes
16	General Shop Outfit	Universal scribing block.	2	1	30 Yrs.	Yes
17	General Shop Outfit	V-Block pair with clamps	2	1	30 Yrs.	Yes
18	General Shop Outfit	Angle plate	2	1	30 Yrs.	Yes
19	General Shop	Punch letter set.	1	1	30	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity (No)	Qty Available	Approx. Age	Functional (Yes/No)
	Outfit				Yrs.	
20	General Shop Outfit	Punch number set.	1	1	30 Yrs.	Yes
21	General Shop Outfit	Portable hand drill (Electric)	1	1	30 Yrs.	Yes
22	General Shop Outfit	Oil Can	2	1	30 Yrs.	Yes
23	General Shop Outfit	Wooden handle forged Soldering Iron copper bit.	2	2	30 Yrs.	Yes
24	General Shop Outfit	Blow Lamp	2	1	30 Yrs.	Yes
25	General Shop Outfit	Clamp "C"	2	1	30 Yrs.	Yes
26	General Shop Outfit	Hand Reamer set (Taper pin straight flute)	1	1	30 Yrs.	Yes
27	General Shop Outfit	Scraper half round	10	1	30 Yrs.	Yes
28	General Shop Outfit	Pipe vice	1	1	30 Yrs.	Yes
29	General Shop Outfit	Adjustable pipe die set BSP	1	1	30 Yrs.	Yes
30	General Shop Outfit	Wheel dresser (One for 4 units) Star/Dresser with Holder	1	1	30 Yrs.	Yes
31	General Shop Outfit	Machine vice - Swivel Base	1	1	30 Yrs.	Yes
32	General Shop Outfit	Machine vice - Swivel Base	1	1	30 Yrs.	Yes
33	General Shop Outfit	Vice bench	20	20	30 Yrs.	Yes
34	General Shop Outfit	Bench working.	4	2	30 Yrs.	Yes
35	General Shop Outfit	Almirah.	2	2	30 Yrs.	Yes
36	General Shop Outfit	Lockers with 8 drawers (standard size).	3	2	30 Yrs.	Yes
37	General Shop Outfit	Instructor Table	1	1	30 Yrs.	Yes
38	General Shop Outfit	Instructor Chair	1	1	30 Yrs.	Yes
39	General Shop Outfit	Black board with easel.	1	1	30 Yrs.	Yes
40	General Shop Outfit	Fire extinguisher (For 4 Units)	4	1	30 Yrs.	Yes
41	General Shop Outfit	Fire buckets.	4	4	30 Yrs.	Yes
42	General Shop Outfit	Machine vice.	2	2	30 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity (No)	Qty Available	Approx. Age	Functional (Yes/No)
43	General Shop Outfit	Machine maintenance manual for Lathe, Pedestal grinder, Drill machine, Power saw	1	1	30 Yrs.	Yes
44	General Shop Outfit	Pipe threading die with handle	2	1	30 Yrs.	Yes
45	Tools For Allied Trade - Sheet Metal Worker	Mallet.	2	2	30 Yrs.	Yes
46	Instrument	Engineer's try square (knife-edge)	1	1	30 Yrs.	Yes
47	Instrument	Vernier Bevel protector	1	1	30 Yrs.	Yes
48	General Shop Outfit	Pipe cutter wheel type.	1	1	30 Yrs.	Yes
49	General Machinery Installation	SS and SC centre lathe (all geared) with minimum specification	2	1	30 Yrs.	Yes
50	General Machinery Installation	Pillar Type Drilling machine	1	1	30 Yrs.	Yes

5. Mechanic Auto Body Painting

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	Allen Key set	7	1	13 Yrs.	Yes
2	Trainees Tool Kit	Callipers inside	7	1	13 Yrs.	Yes
3	Trainees Tool Kit	Callipers outside	7	1	13 Yrs.	Yes
4	Trainees Tool Kit	Dividers	7	1	13 Yrs.	Yes
5	Trainees Tool Kit	Electrician Screw Driver	7	1	13 Yrs.	Yes
6	Trainees Tool Kit	General purpose dolly	7	4	13 Yrs.	Yes
7	Trainees Tool Kit	Hammer ball peen	7	2	13 Yrs.	Yes
8	Trainees Tool Kit	Hands file	7	4	13 Yrs.	Yes
9	Trainees Tool Kit	Paint scrapper, putty mixing board, putty applicator /knife	7	4	13 Yrs.	Yes
10	Trainees Tool Kit	Pliers combination	7	1	13 Yrs.	Yes
11	Trainees Tool Kit	Screw driver	7	1	13 Yrs.	Yes
12	Trainees Tool Kit	Screw driver	7	1	13 Yrs.	Yes
13	Trainees Tool Kit	Spanner D.E. set	7	1	13 Yrs.	Yes
14	Trainees Tool Kit	Spanner, ring set	7	1	13 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx . Age	Functional (Yes/No)
15	Trainees Tool Kit	Spanners socket with speed handle, T-bar, ratchet and universal	7	1	13 Yrs.	Yes
16	Trainees Tool Kit	Steel rule	7	2	13 Yrs.	Yes
17	Trainees Tool Kit	Steel tool box with lock and key (folding type)	7	1	13 Yrs.	Yes
18	Trainees Tool Kit	Toe dolly	7	4	13 Yrs.	Yes
19	Instruments And General Shop Outfit	Adjustable spanner	2	1		
20	Instruments And General Shop Outfit	Chain Pulley Block	1	1	13 Yrs.	Yes
21	Instruments And General Shop Outfit	Chisel	4	4	13 Yrs.	Yes
22	Instruments And General Shop Outfit	Colour matching cards /panels (Magnetic, chromalux card or primed metal)	10	2	13 Yrs.	Yes
23	Instruments And General Shop Outfit	Different type of dolly block	1	1	13 Yrs.	Yes
24	Instruments And General Shop Outfit	Feeler gauge	2	2	13 Yrs.	Yes
25	Instruments And General Shop Outfit	File flat	4	4	13 Yrs.	Yes
26	Instruments And General Shop Outfit	Flat File	4	2	13 Yrs.	Yes
27	Instruments And General Shop Outfit	Garage rack	2	2	13 Yrs.	Yes
28	Instruments And General Shop Outfit	Hacksaw frame adjustable	10	2	13 Yrs.	Yes
29	Instruments And General Shop Outfit	Hammer Ball Peen	4	2	13 Yrs.	Yes
30	Instruments And General Shop Outfit	Hand Shear Universal	2	2	13 Yrs.	Yes
31	Instruments And General Shop Outfit	Paint scrapper, putty mixing board, putty applicator /knife	2	2		
32	Instruments And General Shop Outfit	Philips Screw Driver	2	1	13 Yrs.	Yes
33	Instruments And General Shop Outfit	Spanner, adjustable	2	1	13 Yrs.	Yes
34	Instruments And General Shop Outfit	Steel measuring tape	2	1	13 Yrs.	Yes
35	Instruments And General Shop Outfit	Steel rule	4	2	13 Yrs.	Yes
36	Instruments And	Stud remover with	1	1	13 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx . Age	Functional (Yes/No)
	General Shop Outfit	socket handle				
37	Instruments And General Shop Outfit	Work bench	1	1	13 Yrs.	Yes
38	General Installation/ Machineries	Belt sander (Narrow surface)	2	2	13 Yrs.	Yes
39	General Installation/ Machineries	compressed air line	2	2	13 Yrs.	Yes
40	General Installation/ Machineries	Drilling machine bench drill up to 12mm dia along with accessories	1	1	13 Yrs.	Yes
41	General Installation/ Machineries	Electronic paint mixing scales (accurate to 0.1 grams. explosion proof	1	1	13 Yrs.	Yes
42	General Installation/ Machineries	Motor Vehicle suitable for Body painting -Light Motor vehicle of different	2	1	13 Yrs.	Yes
43	General Installation/ Machineries	Pipe Bending Machine (Hydraulic type)	1	1	13 Yrs.	Yes
44	General Installation/ Machineries	Spray guns (gravity feed primer	4	3	13 Yrs.	Yes
45	Workshop Furniture	Stools	2	2	13 Yrs.	Yes
46	Workshop Furniture	Tool Cabinet	2	2	13 Yrs.	Yes
47	Workshop Furniture	Trainees locker (accommodate 20 Lockers)	2	1	13 Yrs.	Yes

6. Mechanic Auto Body Repairing

7. Mechanic Motor Vehicle

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
1	Electricity Master Kit	1	10 Yrs.	Yes
2	Camshaft Holding Tools	1	10 Yrs.	Yes
3	Camshaft Rear Oil Seal	1	10 Yrs.	Yes
4	Pin Wrench Set	1	10 Yrs.	Yes
5	Tool Supply Pump	1	10 Yrs.	Yes
6	Connecting Rod Bushing Remover	1	10 Yrs.	Yes
7	Diagnosis Chek Wire	1	10 Yrs.	Yes
8	Cranshaft Pully Holding Tool	1	10 Yrs.	Yes
9	Oil Seal Puller	1	10 Yrs.	Yes
10	Sensor Socket Wrench	1	10 Yrs.	Yes
11	Attachment	2	10 Yrs.	Yes
12	Oil Seal Bearing Replacer	1	10 Yrs.	Yes
13	Crankshaft Pully Replaser	1	10 Yrs.	Yes
14	Cranshaft Front Oil Seal Replacer	1	10 Yrs.	Yes
15	Cranshaft Front Oil Seal Replacer	1	10 Yrs.	Yes
16	Tool Valve Lifter	1	10 Yrs.	Yes
17	Crankshaft Holding Tool	1	10 Yrs.	Yes
18	Valve Guid Bushing Remover	2	10 Yrs.	Yes
19	Oil Filter	1	10 Yrs.	Yes
20	Cylinder Head Bolt Socket Long	1	10 Yrs.	Yes
21	Valve Stem Oil Seel Replacer	1	10 Yrs.	Yes
22	Companion Flange Holding Tool	1	10 Yrs.	Yes
23	Tool Box	2	10 Yrs.	Yes
24	Electric Muster Kit	1	10 Yrs.	Yes
25	Combination Meter Assembly	1	10 Yrs.	Yes
26	Clutch Pressure Plate	3	10 Yrs.	Yes
27	Differential Gear Assembly	1	10 Yrs.	Yes
28	Ckp Plate	1	10 Yrs.	Yes
29	Self Starter Cut Section Model	1	10 Yrs.	Yes
30	Fuel Filter Assembly Model	1	10 Yrs.	Yes
31	Alternator Cut Model	1	10 Yrs.	Yes
32	Wheel Balane Model	1	10 Yrs.	Yes
33	Valve Spring Compressor	1	10 Yrs.	Yes
34	Shock Absorber Cut Section	1	10 Yrs.	Yes
35	Suspension System Model (2)	1	10 Yrs.	Yes
36	Proppeller Shaft Balance Simulator	1	10 Yrs.	Yes
37	Magnic Strick	1	10 Yrs.	Yes
38	Break Muster Cylinder Assembly	1	10 Yrs.	Yes
39	Alternator Toyota	1	10 Yrs.	Yes
40	Break Muster Cylinder Assembly Cut Model	1	10 Yrs.	Yes
41	Suspension System (1)	1	10 Yrs.	Yes
42	Vvt -1 Simutalor	1	10 Yrs.	Yes
43	Suspension System (3)	1	10 Yrs.	Yes
44	Piston Shocket V/S Crank Shaft Angle	1	10 Yrs.	Yes
45	Clip Removal Practice Kit	4	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
46	Handle Set 09950-70010	1 set	10 Yrs.	Yes
47	Piston Pin Remover & Replacer	1	10 Yrs.	Yes
48	Replacer Set	1	10 Yrs.	Yes
49	Puller -C Set	1	10 Yrs.	Yes
50	Puller -B Set	1	10 Yrs.	Yes
51	Bolt Tightening Practice Kit (Different Type)	10	10 Yrs.	Yes
52	Head Assembly Cylinder	1	10 Yrs.	Yes
53	Maruti Suzuki Electric Circuits	1	10 Yrs.	Yes
54	Book -Maruti Suzuki Swift 2011 Service Manual	1	10 Yrs.	Yes
55	Book -Maruti Suzuki SX 4 2009 Supplementary Service Manual	1	10 Yrs.	Yes
56	Maruti Suzuki Alto 2010 Supplementary Service Manual	1	10 Yrs.	Yes
57	Book -Maruti Suzuki SX 4 2011 Supplementary Service Manual	1	10 Yrs.	Yes
58	Book -Maruti Suzuki Swift 2011 Service Manual	1	10 Yrs.	Yes
59	Maruti Suzuki Aster 2008 Service Manual	1	10 Yrs.	Yes
60	Maruti Suzuki Aster 2010 Service Manual	1	10 Yrs.	Yes
61	Tools Hybrid Engine (Insulated Tool Set)	1	10 Yrs.	Yes
62	Alternator	1	10 Yrs.	Yes
63	Radiator Cap Tester	1	10 Yrs.	Yes
64	Self Starter	1	10 Yrs.	Yes
65	Valve Oil Control	1	10 Yrs.	Yes
66	Brake Bleeding	1	10 Yrs.	Yes
67	Camshaft Exhaust	1	10 Yrs.	Yes
68	Camshaft Intake	1	10 Yrs.	Yes
69	Sprocket Assembly Camshaft Timing	1	10 Yrs.	Yes
70	Compression Gauge	1	10 Yrs.	Yes
71	Hydraulic Jack	1	10 Yrs.	Yes
72	Micrometre	1	10 Yrs.	Yes
73	Micrometre	1	10 Yrs.	Yes
74	Micrometre	1	10 Yrs.	Yes
75	Digital Multi meter	1	10 Yrs.	Yes
76	Magnetic Stand	1	10 Yrs.	Yes
77	Camshaft Locking	1	10 Yrs.	Yes
78	Dial Gauge	1	10 Yrs.	Yes
79	Vacuum Gauge	1	10 Yrs.	Yes
80	Oil Pressure Gauge	1	10 Yrs.	Yes
81	Inspection Lamp	1	10 Yrs.	Yes
82	Refractometer (Battery Tester)	1	10 Yrs.	Yes
83	Battery Hydrometer	1	10 Yrs.	Yes
84	Crankshaft Lock	1(2pic)	10 Yrs.	Yes
85	Brake Fuel Tester	1	10 Yrs.	Yes
86	V Block	2	10 Yrs.	Yes
87	Puller	1 two leg	10 Yrs.	Yes
88	Pneumatic Hunch	1	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
89	Wheel Stoop Block	1	10 Yrs.	Yes
90	AC Temperature Gauge	1	10 Yrs.	Yes
91	Piston Ring Expented	1	10 Yrs.	Yes
92	Gasket Cutter	2	10 Yrs.	Yes
93	Wheel Balancing Wight Hammer	1	10 Yrs.	Yes
94	Vernier Calliper 12 Inch	1	10 Yrs.	Yes
95	Vernier Calliper 6 Inch	1	10 Yrs.	Yes
96	Valve Sprinh Compressor	1	10 Yrs.	Yes
97	Valve Stem Seal Plair	1	10 Yrs.	Yes
98	Spring Balancing 5 Kg	1	10 Yrs.	Yes
99	Steering Wheel Remover	1	10 Yrs.	Yes
100	Dial Gauge Supper	1	10 Yrs.	Yes
101	Digital Torque Wrench	1	10 Yrs.	Yes
102	Valve Guid Camshaft	1	10 Yrs.	Yes
103	Angle Torque	1	10 Yrs.	Yes
104	TDP Defination Pin	1	10 Yrs.	Yes
105	Suzuki Gear Holder	1	10 Yrs.	Yes
106	Socket Cylinder Head	2	10 Yrs.	Yes
107	Timing Chain (Wing Nut)	1	10 Yrs.	Yes
108	Spork Guid Camshaft	1	10 Yrs.	Yes
109	Fly Week Wheel Holder	1	10 Yrs.	Yes
110	Dummy Plug	1	10 Yrs.	Yes
111	Fly Wheel Holder	1	10 Yrs.	Yes
112	Pinom Torque Socket	1	10 Yrs.	Yes
113	Fly Wheel Locking Tool	1	10 Yrs.	Yes
114	Camshaft Lock Pin	1	10 Yrs.	Yes
115	Different Bracket	11	10 Yrs.	Yes
116	Separator Top Plaire	1	10 Yrs.	Yes
117	Screw Driver Socket	3	10 Yrs.	Yes
118	Screw Driver Socket	3	10 Yrs.	Yes
119	Wheel Wrench	3	10 Yrs.	Yes
120	Stubby Screw	6	10 Yrs.	Yes
121	Screw Driver	3	10 Yrs.	Yes
122	Nose Plier	3	10 Yrs.	Yes
123	Screw Driver Flat Face	3	10 Yrs.	Yes
124	Screw Driver Flat Face	3	10 Yrs.	Yes
125	Screw Driver Flat Face	3	10 Yrs.	Yes
126	Screw Driver Flat Phillips Small	3	10 Yrs.	Yes
127	Screw Driver Flat Phillips Medium	3	10 Yrs.	Yes
128	Screw Driver Flat Phillips	3	10 Yrs.	Yes
129	Ellen Key	7	10 Yrs.	Yes
130	Grip Plier	3	10 Yrs.	Yes
131	Plug Wrench	1	10 Yrs.	Yes
132	Claw	2	10 Yrs.	Yes
133	Drape Plastic	3	10 Yrs.	Yes
134	Socket Adapter	3	10 Yrs.	Yes
135	Cylinder Wrench	1	10 Yrs.	Yes
136	Universal Socket Joint	3	10 Yrs.	Yes
137	Ball Pen Hammer	3	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
138	Extension Rod	3	10 Yrs.	Yes
139	Brass Bar	3	10 Yrs.	Yes
140	Extension Rod	3	10 Yrs.	Yes
141	T Handle	3	10 Yrs.	Yes
142	Extension Socket Handle	3	10 Yrs.	Yes
143	Socket	3	10 Yrs.	Yes
144	Ring Spanner	3	10 Yrs.	Yes
145	Ring Spanner	3	10 Yrs.	Yes
146	Ring Spanner	3	10 Yrs.	Yes
147	Thickness Gauge	3	10 Yrs.	Yes
148	Ring Spanner	3	10 Yrs.	Yes
149	Spark Plug Gauge	2	10 Yrs.	Yes
150	Extension	2	10 Yrs.	Yes
151	Extension	2	10 Yrs.	Yes
152	Ret Set Small	1	10 Yrs.	Yes
153	Long Socket	3	10 Yrs.	Yes
154	Socket	3	10 Yrs.	Yes
155	Socket	3	10 Yrs.	Yes
156	Socket	3	10 Yrs.	Yes
157	Socket	3	10 Yrs.	Yes
158	Socket	3	10 Yrs.	Yes
159	Socket	3	10 Yrs.	Yes
160	Adaptor Socket	3	10 Yrs.	Yes
161	Double Ended Spanner	3	10 Yrs.	Yes
162	Double Ended Spanner	3	10 Yrs.	Yes
163	Double Ended Spanner	3	10 Yrs.	Yes
164	Double Ended Spanner	3	10 Yrs.	Yes
165	Double Ended Spanner	3	10 Yrs.	Yes
166	Ring Spanner	3	10 Yrs.	Yes
167	Adjustable Wrench	2	10 Yrs.	Yes
168	Ring Spanner	2	10 Yrs.	Yes
169	Ring Spanner	2	10 Yrs.	Yes
170	Long Socket	2	10 Yrs.	Yes
171	Socket	2	10 Yrs.	Yes
172	Socket	2	10 Yrs.	Yes
173	Basket Scraper	2	10 Yrs.	Yes
174	Spring Balancer	3	10 Yrs.	Yes
175	Compressor Taster	1	10 Yrs.	Yes
176	Vernier Calliper	1	10 Yrs.	Yes
177	Pneumatic Tools	1	10 Yrs.	Yes
178	Digital Instrument Box	1	10 Yrs.	Yes
179	Hole Saw Kit	1	10 Yrs.	Yes
180	Hand Impact Screwdriver	1	10 Yrs.	Yes
181	AVO Meter(Multimeter)	1	10 Yrs.	Yes
182	Multimeter	1	10 Yrs.	Yes
183	Corburator	1	10 Yrs.	Yes
184	Depth Gauge	1	10 Yrs.	Yes
185	Socket Set 9 No With Screw Bit 19 No	1	10 Yrs.	Yes
186	Valve Sheet Cutter 12 With Step	1 set	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
187	Fitter Regulator	3	10 Yrs.	Yes
188	Pneumatic Tools Fitter Regulator	2	10 Yrs.	Yes
189	Impact Air Screw Driver Pneumatic Tool	1	10 Yrs.	Yes
190	Impact Tools Pneumatic	1	10 Yrs.	Yes
191	Dia Stock	1	10 Yrs.	Yes
192	Screw Driver Plastic Handle	10	10 Yrs.	Yes
193	Screw Driver Plastic Handle	17	10 Yrs.	Yes
194	Screw Driver Plastic Handle	9	10 Yrs.	Yes
195	Screw Driver Plastic Handle	3	10 Yrs.	Yes
196	Screw Driver Plastic Handle	18	10 Yrs.	Yes
197	Screw Driver Plastic Handle	27	10 Yrs.	Yes
198	Screw Driver Electrician	4	10 Yrs.	Yes
199	Phillips Screw Driver (Differentsize)	8	10 Yrs.	Yes
200	Star Screw Driver	2	10 Yrs.	Yes
201	Piston Ring Expenduter	1	10 Yrs.	Yes
202	Dial Indicator	1	10 Yrs.	Yes
203	Bore Gage (Cylinder)	1	10 Yrs.	Yes
204	Combination Sets	1	10 Yrs.	Yes
205	Out Side Micrometer	2	10 Yrs.	Yes
206	Inside Micrometer	2	10 Yrs.	Yes
207	Outside Micrometer	2	10 Yrs.	Yes
208	Outside Micrometer	3	10 Yrs.	Yes
209	Dial Gage	1	10 Yrs.	Yes
210	Out Side Micrometer	1	10 Yrs.	Yes
211	Out Side Micrometer	1	10 Yrs.	Yes
212	Spanner Spark Plug	1	10 Yrs.	Yes
213	Remmer Small	1	10 Yrs.	Yes
214	Filler Gauge	1	10 Yrs.	Yes
215	Straight Eddge	1	10 Yrs.	Yes
216	Try Square	10	10 Yrs.	Yes
217	Try Square	4	10 Yrs.	Yes
218	Out Side Calliper Spring	2	10 Yrs.	Yes
219	Out Side Calliper Frame Joint	7	10 Yrs.	Yes
220	Inside Side Calliper Frame Joint	1	10 Yrs.	Yes
221	Spring Divider	2	10 Yrs.	Yes
222	Spring Inside Calliper	1	10 Yrs.	Yes
223	Divider Fram Joint	1	10 Yrs.	Yes
224	Odleage Caliper	4	10 Yrs.	Yes
225	Pipe Spanner	1	10 Yrs.	Yes
226	Blow Lamp	6	10 Yrs.	Yes
227	Brake Valve	2	10 Yrs.	Yes
228	Socket Box	2	10 Yrs.	Yes
229	Mankee Player	2	10 Yrs.	Yes
230	Pipe Warance	2	10 Yrs.	Yes
231	Snip	1	10 Yrs.	Yes
232	Drill Bitt	1	10 Yrs.	Yes
233	Tongs	10	10 Yrs.	Yes
234	Adjustable Wrench	4	10 Yrs.	Yes
235	Adjustable Wrench	1	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
236	Griping Wrench	2	10 Yrs.	Yes
237	Side Cutter	6	10 Yrs.	Yes
238	Nose Player	5	10 Yrs.	Yes
239	Ptaparia Player	6	10 Yrs.	Yes
240	Lock Players	4	10 Yrs.	Yes
241	Lock Players Inside	2	10 Yrs.	Yes
242	Lock Players Out Side	2	10 Yrs.	Yes
243	Player	21	10 Yrs.	Yes
244	Magnetic Base(Compress)	1	10 Yrs.	Yes
245	Mallet Hammer	1	10 Yrs.	Yes
246	Plastic Hammer	1	10 Yrs.	Yes
247	Ball Pen Hammer	7	10 Yrs.	Yes
248	Ball Pen Hammer	3	10 Yrs.	Yes
249	Ball Pen Hammer	1	10 Yrs.	Yes
250	Cross Pen Hammer	1	10 Yrs.	Yes
251	Ball Pen Hammer	2	10 Yrs.	Yes
252	Setting Hammer	2	10 Yrs.	Yes
253	Pocker	1	10 Yrs.	Yes
254	C Clamp	3	10 Yrs.	Yes
255	Three Lag Puller	1	10 Yrs.	Yes
256	Three Lag Puller	1	10 Yrs.	Yes
257	Three Lag Puller	3	10 Yrs.	Yes
258	Three Lag Puller	1	10 Yrs.	Yes
259	Two Leg Puller	3	10 Yrs.	Yes
260	Hot Paste Clamp	1	10 Yrs.	Yes
261	V Block	3	10 Yrs.	Yes
262	Armeser Vice	1	10 Yrs.	Yes
263	Hand Drill	9	10 Yrs.	Yes
264	De Spanner	27	10 Yrs.	Yes
265	De Spanner	30	10 Yrs.	Yes
266	De Spanner	28	10 Yrs.	Yes
267	De Spanner	21	10 Yrs.	Yes
268	De Spanner	18	10 Yrs.	Yes
269	De Spanner	21	10 Yrs.	Yes
270	De Spanner	3	10 Yrs.	Yes
271	De Spanner	14	10 Yrs.	Yes
272	De Spanner	21	10 Yrs.	Yes
273	De Spanner	17	10 Yrs.	Yes
274	De Spanner	15	10 Yrs.	Yes
275	De Spanner	14	10 Yrs.	Yes
276	De Spanner	11	10 Yrs.	Yes
277	De Spanner	2	10 Yrs.	Yes
278	Ring Spanner	5	10 Yrs.	Yes
279	Ring Spanner	5	10 Yrs.	Yes
280	Ring Spanner	4	10 Yrs.	Yes
281	Ring Spanner	4	10 Yrs.	Yes
282	Ring Spanner	4	10 Yrs.	Yes
283	Ring Spanner	5	10 Yrs.	Yes
284	Ring Spanner	12	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
285	Ring Spanner	11	10 Yrs.	Yes
286	Ring Spanner	11	10 Yrs.	Yes
287	Ring Spanner	14	10 Yrs.	Yes
288	Ring Spanner	15	10 Yrs.	Yes
289	Ring Spanner	12	10 Yrs.	Yes
290	Ring Spanner (Inch)	2	10 Yrs.	Yes
291	Ring Spanner (Inch)	3	10 Yrs.	Yes
292	Ring Spanner (Inch)	1	10 Yrs.	Yes
293	Ring Spanner (Inch)	4	10 Yrs.	Yes
294	Ring Spanner (Inch)	4	10 Yrs.	Yes
295	Ring Spanner (Inch)	3	10 Yrs.	Yes
296	L N Key	60	10 Yrs.	Yes
297	Half Round File	5	10 Yrs.	Yes
298	Flate File	6	10 Yrs.	Yes
299	Flate File Smooth Cut	25	10 Yrs.	Yes
300	Half Round File	8	10 Yrs.	Yes
301	Half Round File	20	10 Yrs.	Yes
302	Round File	6	10 Yrs.	Yes
303	Flate Rough Cut	1	10 Yrs.	Yes
304	Round File	20	10 Yrs.	Yes
305	Triangular File (Different Size)	5	10 Yrs.	Yes
306	Rasp Cut File	2	10 Yrs.	Yes
307	Scriber Block	4	10 Yrs.	Yes
308	Oil Gun	1	10 Yrs.	Yes
309	Hacksaw Fram	1	10 Yrs.	Yes
310	Angle Tri square	2	10 Yrs.	Yes
311	Drill Shuck	2	10 Yrs.	Yes
312	Hand Vice	1	10 Yrs.	Yes
313	Plug Wrench (Different Size)	5	10 Yrs.	Yes
314	Sliding Playiers	1	10 Yrs.	Yes
315	Adjustable Wrench	1	10 Yrs.	Yes
316	Wire Cutter	1	10 Yrs.	Yes
317	Monkey Player	1	10 Yrs.	Yes
318	Circlip Player Inside	1	10 Yrs.	Yes
319	Out Side Circuit Player L Type Pin	2	10 Yrs.	Yes
320	Screw Driver Cross Cut	1	10 Yrs.	Yes
321	Screw Driver Cross Cut	2	10 Yrs.	Yes
322	Screw Driver Cross Cut	1	10 Yrs.	Yes
323	Screw Driver Cross Cut	1	10 Yrs.	Yes
324	Clutch Centre Bar	1	10 Yrs.	Yes
325	Centre Punch	1	10 Yrs.	Yes
326	Faly Wheel Locker	1	10 Yrs.	Yes
327	Filler Gas	1	10 Yrs.	Yes
328	Socket Set	1	10 Yrs.	Yes
329	Long Socket	1	10 Yrs.	Yes
330	Plastic Hammer	1	10 Yrs.	Yes
331	Filter Remover	1	10 Yrs.	Yes
332	Ball Pen Hammer	1	10 Yrs.	Yes
333	Screw Driver Flat	1	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
334	30-20 Ring Spanner	1	10 Yrs.	Yes
335	Communication Ring Spanner	1	10 Yrs.	Yes
336	Tray Leave	1	10 Yrs.	Yes
337	Filter Remove	1	10 Yrs.	Yes
338	Magnetic Blowl	1	10 Yrs.	Yes
339	Caster Angle	1	10 Yrs.	Yes
340	Torque Wrench	1	10 Yrs.	Yes
341	Torque Wrench	1	10 Yrs.	Yes
342	Torque Wrench	1	10 Yrs.	Yes
343	Torque Wrench	1	10 Yrs.	Yes
344	Torque Wrench	1	10 Yrs.	Yes
345	Vice	3	10 Yrs.	Yes
346	Armature Vice	1	10 Yrs.	Yes
347	Hydraulic Trolley Jack	1	10 Yrs.	Yes
348	Starter Switch	1	10 Yrs.	no
349	Weight Meter	2	10 Yrs.	Yes
350	Immersion Pump Body	2	10 Yrs.	Yes
351	Wheel Bast Plate	1	10 Yrs.	Yes
352	Spark Cleaning Tester	1	10 Yrs.	Yes
353	Electrical Care Lifter (Hoist)	1	10 Yrs.	no
354	Arbor Pressure	1	10 Yrs.	Yes
355	Aligner Stand	2	10 Yrs.	Yes
356	Hot Paste Clamp	1	10 Yrs.	Yes
357	T-Bar Screwdriver Set	1	10 Yrs.	Yes
358	Steel Almirah	6	10 Yrs.	Yes
359	Locker	1	10 Yrs.	Yes
360	Locker	1	10 Yrs.	Yes
361	Locker	1	10 Yrs.	Yes
362	Car Washing Machin	1	10 Yrs.	Yes
363	Hydraulic Hoist	1	10 Yrs.	Yes
364	Valve Grinding Machine	1	10 Yrs.	Yes
365	Diesel Engine	2	10 Yrs.	Yes
366	Diesel Engine	2	10 Yrs.	Yes
367	Tyre Changing Machine	1	10 Yrs.	Yes
368	Drilling Machine With Stand	1	10 Yrs.	Yes
369	Grinding Machin Without Stand	1	10 Yrs.	Yes
370	Jack	3	10 Yrs.	Yes
371	Jack	3	10 Yrs.	Yes
372	Pipe Vice	2	10 Yrs.	Yes
373	Differential Cut Model	1	10 Yrs.	Yes
374	Gear Box Cut Model	1	10 Yrs.	Yes
375	Hi Pressure Grishgun	3	10 Yrs.	Yes
376	Exhaust Gun Analyser	3	10 Yrs.	Yes
377	Auto Service Unit	2	10 Yrs.	Yes
378	Air Compressor	2	10 Yrs.	Yes
379	Marking Table	1	10 Yrs.	Yes
380	Spark Plug Cleaner	1	10 Yrs.	Yes
381	Sheet Bending Machine	2	10 Yrs.	Yes
382	Arbor Pressure	2	10 Yrs.	Yes

SN	Name of Tools	Quantity available (Nos)	Approx. Age	Functional (Yes/No)
383	Motor	1	10 Yrs.	Yes
384	Motor	1	10 Yrs.	Yes
385	Centrifugal Pump	1	10 Yrs.	Yes
386	Centrifugal Pump	1	10 Yrs.	Yes
387	Hydraulic Pump Motor	1	10 Yrs.	Yes
388	Battery Charger	2	10 Yrs.	Yes
389	Cvt	2	10 Yrs.	Yes
390	Battery Big Size	1	10 Yrs.	Yes
391	Battery Medium	1	10 Yrs.	Yes
392	Battery Small	1	10 Yrs.	Yes
393	Trans Axel	1	10 Yrs.	Yes
394	Dia Stock	2	10 Yrs.	Yes
395	Vice	1	10 Yrs.	Yes
396	Hydraulic Brak	1	10 Yrs.	Yes
397	Oil Can	1	10 Yrs.	Yes
398	Ball Pen Hammer	3	10 Yrs.	Yes
399	Torque Wrench	1	10 Yrs.	Yes
400	Torque Wrench	1	10 Yrs.	Yes
401	Socket Set	20	10 Yrs.	Yes
402	Wheel Alignment With PC Printer	1	10 Yrs.	Yes
403	Differential	1	10 Yrs.	Yes
404	Secretarial Table	1	10 Yrs.	Yes
405	Honda Water Pump	1	10 Yrs.	Yes
406	Open Ended Spanner	12	10 Yrs.	Yes
407	DOE Ring Spanner	14	10 Yrs.	Yes
408	Tong	3	10 Yrs.	Yes
409	Redset	1	10 Yrs.	Yes
410	Wheel Wrench	1	10 Yrs.	Yes
411	Philips Screw Driver Handle Less	1	10 Yrs.	Yes
412	Screw Driver	2	10 Yrs.	Yes
413	Circlip Pliers	1	10 Yrs.	Yes
414	Piston Ring Compressor	1	10 Yrs.	Yes
415	Circlip Pliers	1	10 Yrs.	Yes
416	Screw Driver	2	10 Yrs.	Yes
417	Socket	1	10 Yrs.	Yes
418	Socket	1	10 Yrs.	Yes

8. Refrigeration & Air Conditioning Technician

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	File flat rough double cut	25	13	16 Yrs.	Yes
2	Trainees Tool Kit	File, round, fine	25	1	16 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
		double cut				
3	Trainees Tool Kit	File triangular fine double cut	25	5	16 Yrs.	Yes
4	Trainees Tool Kit	Scriber	25	17	16 Yrs.	Yes
5	Trainees Tool Kit	Centre punch	25	2	16 Yrs.	Yes
6	Trainees Tool Kit	Try square	25	7	16 Yrs.	Yes
7	Trainees Tool Kit	Divider spring joint	25	5	16 Yrs.	Yes
8	Trainees Tool Kit	Calliper spring joint in side	25	3	16 Yrs.	Yes
9	Trainees Tool Kit	Calliper, odd leg, spring joint	25	5	16 Yrs.	Yes
10	Trainees Tool Kit	Hammer ball pane	25	15	16 Yrs.	Yes
11	Trainees Tool Kit	Cold Chisel flat and cross cut	25	15	16 Yrs.	Yes
12	Trainees Tool Kit	Engineers rule	25	15	16 Yrs.	Yes
13	Trainees Tool Kit	Pliers combination insulated	25	1	16 Yrs.	Yes
14	Trainees Tool Kit	Pliers long nose	25	1	16 Yrs.	Yes
15	Trainees Tool Kit	Pliers flat nose	25	1	16 Yrs.	Yes
16	Trainees Tool Kit	Line tester	25	15	16 Yrs.	Yes
17	General Shop Outfit	Surface plate	1	1	16 Yrs.	Yes
18	General Shop Outfit	Oil can	5	5	16 Yrs.	Yes
19	General Shop Outfit	Bench vice	12	10	16 Yrs.	Yes
20	General Shop Outfit	Hack saw tubular metal frame adjustable	12	10	16 Yrs.	Yes
21	General Shop Outfit	Round Punch	5	1	16 Yrs.	Yes
22	General Shop Outfit	Electrical drill portable drill with chuck and key	5	1	16 Yrs.	Yes
23	General Shop Outfit	Screw driver, plastic handle,	6	1	16 Yrs.	Yes
24	General Shop Outfit	Screw driver, plastic handle, Flat tip	6	1	16 Yrs.	Yes
25	General Shop Outfit	Philips screw driver -	5	1	16 Yrs.	Yes
26	General Shop Outfit	Screw driver, plastic handle, Flat tip	5	5	16 Yrs.	Yes
27	General Shop Outfit	Soldering iron exchangeable copper tip	12	10	16 Yrs.	Yes
28	General Shop Outfit	Tong tester (clamp on multi meter)	5	1	16 Yrs.	Yes
29	General Shop Outfit	Firmer chisel	2	1	16 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
30	General Shop Outfit	Fire extinguisher	2	1	16 Yrs.	Yes
31	General Shop Outfit	Fire buckets	3	1	16 Yrs.	Yes
32	General Shop Outfit	Flaring tool set, single type for tube.	5	2	16 Yrs.	Yes
33	General Shop Outfit	Swaging tool, punch type, set of size for tube.	5	1	16 Yrs.	Yes
34	General Shop Outfit	Bending spring external type, for copper tube	5	1	16 Yrs.	Yes
35	General Shop Outfit	Pipe cutter miniature for copper tube	5	1	16 Yrs.	Yes
36	General Shop Outfit	Pinch of tool, for copper tube,	5	1	16 Yrs.	Yes
37	General Shop Outfit	Ratchet spanner	5	1	16 Yrs.	Yes
38	General Shop Outfit	Ring spanner off set	5	2	16 Yrs.	Yes
39	General Shop Outfit	Wrench adjustable	5	1	16 Yrs.	Yes
40	General Shop Outfit	Wrench adjustable	5	1	16 Yrs.	Yes
41	General Shop Outfit	Wrench adjustable	5	1	16 Yrs.	Yes
42	General Shop Outfit	Valve key handle[Treated as consumable]	5	2	16 Yrs.	Yes
43	General Shop Outfit	Scissor, gasket cutting stainless steel	5	1	16 Yrs.	Yes
44	General Shop Outfit	L-Allen key	5	2	16 Yrs.	Yes
45	General Shop Outfit	T-Allen key set	5	2	16 Yrs.	Yes
46	General Shop Outfit	Pipe cutter with built in reamer and space cutter, for copper tube	5	2	16 Yrs.	Yes
47	General Shop Outfit	Pipe /Tube bender lever type	1	1	16 Yrs.	Yes
48	General Shop Outfit	Lapping plate	2	2	16 Yrs.	Yes
49	General Shop Outfit	Hammer ball peen	5	5	16 Yrs.	Yes
50	General Shop Outfit	Hand blower portable complete	2	1	16 Yrs.	Yes
51	General Shop Outfit	Spirit level precision metallic	2	1	16 Yrs.	Yes
52	General Shop Outfit	Tap set with matching drills	3	1	16 Yrs.	Yes
53	General Shop Outfit	Tap set with matching drills	3	1	16 Yrs.	Yes
54	General Shop Outfit	Refrigerant cylinder	3	1	16 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
55	General Shop Outfit	Cylinder 134 a	1	1	16 Yrs.	Yes
56	General Shop Outfit	Four way reversible valve	1	1	16 Yrs.	Yes
57	Instrument	Vernier height gauge	1	1	16 Yrs.	Yes
58	Instrument	Multi meter digital type	5	2	16 Yrs.	Yes
59	Instrument	Pressure gauge Digital type	5	3	16 Yrs.	Yes
60	Instrument	Compound Digital type gauge,	5	3	16 Yrs.	Yes
61	Instrument	Service man metal case thermometer in	5	1	16 Yrs.	Yes
62	Instrument	Gas leak detector for halogen gas	2	2	16 Yrs.	Yes
63	Instrument	Vernier calliper	2	2	16 Yrs.	Yes
64	Instrument	Micrometre measurement outside	2	2	16 Yrs.	Yes
65	Instrument	Sensor thermometer (digital)	2	1	16 Yrs.	Yes
66	Instrument	Digital thermometer	1	1	16 Yrs.	Yes
67	General Machinery Shop Outfit	Capacitor start induction motor	1	1	16 Yrs.	Yes
68	General Machinery Shop Outfit	Single door direct cool refrigerator, carrying with HFC and HC	1	1	16 Yrs.	Yes
69	General Machinery Shop Outfit	Bench Drilling machine	1	1	16 Yrs.	Yes
70	General Machinery Shop Outfit	Evacuating and charging station as above but fitted with weighing scale	1	1		
71	General Machinery Shop Outfit	Two stage rotary vacuum pump,3or 4 CFM.	1	1	16 Yrs.	Yes
72	General Machinery Shop Outfit	Window A.C	2	2	16 Yrs.	Yes
73	General Machinery Shop Outfit	Shell and tube, DX chillers (small)	1	1	16 Yrs.	Yes
74	General Machinery Shop Outfit	Refrigerant Cylinder	2	2	16 Yrs.	Yes
75	General Machinery Shop Outfit	Shell and tube type condenser	1	1	16 Yrs.	Yes
76	General Machinery Shop Outfit	Rotary hermetic compressor	1	1	16 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
77	General Machinery Shop Outfit	Bottle cooler visible	1	1	16 Yrs.	Yes
78	General Machinery Shop Outfit	Deep freezer	1	1	16 Yrs.	Yes
79	General Machinery Shop Outfit	Water cooler storage type	1	1	16 Yrs.	Yes
80	General Machinery Shop Outfit	Ice candy plant	1			
81	General Machinery Shop Outfit	Air-conditioning, direct system.	1	1	16 Yrs.	Yes
82	General Machinery Shop Outfit	Air-conditioning, indirect system. (water cooled)	1	1	16 Yrs.	Yes
83	General Machinery Shop Outfit	Automatic ice cube m/c	1	1	16 Yrs.	Yes
84	General Machinery Shop Outfit	Storage type water cooler (hot and cold)	1	1	16 Yrs.	Yes
85	Workshop Furniture	Class room table	24	12	16 Yrs.	Yes
86	Workshop Furniture	Work bench	6	2	16 Yrs.	Yes
87	Workshop Furniture	Almirah	4	3	16 Yrs.	Yes
88	Workshop Furniture	Lockers	2	2	16 Yrs.	Yes
89	Workshop Furniture	Instructor table	1	1	16 Yrs.	Yes
90	Workshop Furniture	Instructor chair	1	1	16 Yrs.	Yes
91	Workshop Furniture	White board	1	1	16 Yrs.	Yes
92	Workshop Furniture	Stool	24	15	16 Yrs.	Yes

9. Solar Technician (Electrical)

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	Measuring Steel Tape	21	2	3 Yrs.	Yes
2	Trainees Tool Kit	Combination Plier Insulated	21	7	3 Yrs.	Yes
3	Trainees Tool Kit	Screw Driver Insulated	21	16	3 Yrs.	Yes
4	Trainees Tool Kit	Screw Driver Insulated	21	16	3 Yrs.	Yes
5	Trainees Tool Kit	Electrician screw driver thin stem insulated handle	21	14	3 Yrs.	Yes
6	Trainees Tool Kit	Punch Centre	21	1	3 Yrs.	Yes
7	Trainees Tool Kit	Neon Tester	21	2	3 Yrs.	Yes
8	Trainees Tool Kit	Steel Rule Graduated both in Metric and English Unit	21	1	3 Yrs.	Yes
9	Trainees Tool Kit	Hammer, cross peen with handle	21	10	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
10	Tools & Accessories	Electrical Symbol and Accessories Charts	4	4	3 Yrs.	Yes
11	Tools & Accessories	Hacksaw frame (with blade)	2	2	3 Yrs.	Yes
12	Tools & Accessories	Pliers flat nose insulated	4	2	3 Yrs.	Yes
13	Tools & Accessories	D.E. metric Spanner Double Ended	2	4	3 Yrs.	Yes
14	Tools & Accessories	Portable Electric Drill Machine	1	1	3 Yrs.	Yes
15	Tools & Accessories	Pliers Side Cutting	2	2	3 Yrs.	Yes
16	Tools & Accessories	Wire stripper adjustable length	2	2	3 Yrs.	Yes
17	Tools & Accessories	Hammer, ball peen With handle	2	2	3 Yrs.	Yes
18	Tools & Accessories	Electrical loads: set of Incandescent lamp, Tube light, CFL, LED light, Heater and Geyser	2	2	3 Yrs.	Yes
19	Tools & Accessories	Multi Meter (Analogue)	1	1	3 Yrs.	Yes
20	Tools & Accessories	Load Bank (variable)	1	1	3 Yrs.	Yes
21	Tools & Accessories	Wire Cutter and Stripper	4	4	3 Yrs.	Yes
22	Tools & Accessories	Earth Plate	1	1	3 Yrs.	Yes
23	Tools & Accessories	Earth Electrode	1	1	3 Yrs.	Yes
24	Tools & Accessories	Tap set	2	2	3 Yrs.	Yes
25	Tools & Accessories	Rooftop Mounting Structure	2	2	3 Yrs.	Yes
26	Tools & Accessories	Electrical wiring and switch gear rack	1	1	3 Yrs.	Yes
27	Tools & Accessories	Protective relays and contactors rack	1	1	3 Yrs.	Yes
28	Tools & Accessories	ELCB and RCCB	1	1	3 Yrs.	Yes
29	Tools & Accessories	Fuses	4	4	3 Yrs.	Yes

SN	Category of T&E	Name of the Tools and Equipment	Quantity required (No)	Qty Available	Approx. Age	Functional (Yes/No)
30	Tools & Accessories	Cables: Twisted Pair Non-metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable	1	1	3 Yrs.	Yes
31	Equipment	Mustimeter	2	2	3 Yrs.	Yes
32	Equipment	Hydrometer	4	1	3 Yrs.	Yes
33	Equipment	Tong Tester / Clamp Meter	1	1	3 Yrs.	Yes
34	Equipment	Soldering Iron	2	2	3 Yrs.	Yes
35	Equipment	Cut models of photo voltaic cell assembly	2	2	3 Yrs.	Yes
36	Equipment	Lead Acid battery	1	1	3 Yrs.	Yes
37	Equipment	Lead Acid battery	4	4	3 Yrs.	Yes
38	Equipment	Motorized Bench Grinder	1	1	3 Yrs.	Yes
39	Equipment	Solar photovoltaic module	1	1	3 Yrs.	Yes
40	Equipment	Solar panels	4	4	3 Yrs.	Yes
41	Equipment	A.C. Energy Meter	1	1	3 Yrs.	Yes
42	Equipment	A.C. Energy Meter	1	1	3 Yrs.	Yes
43	Equipment	DC LED Lamp	50	2	3 Yrs.	Yes
44	Equipment	Inverter with Battery	1	1	3 Yrs.	Yes
45	Equipment	Solar PCU	4	2	3 Yrs.	Yes
46	Equipment	Solar Grid tied inverter Demonstrator kit	1	1	3 Yrs.	Yes
47	Equipment	Used water treatment solar plant demonstrator kit	1	1	3 Yrs.	Yes
48	Safety And Protective Equipment	Rubber gloves	10	10	3 Yrs.	Yes
49	Safety And Protective Equipment	Gum boots	2	2	3 Yrs.	Yes
50	Safety And Protective Equipment	Safety Goggles	4	4	3 Yrs.	Yes
51	Safety And Protective Equipment	Safety Helmet	4	4	3 Yrs.	Yes
52	Safety And Protective Equipment	Fire Extinguisher CO2	2	2	3 Yrs.	Yes
53	Shop Floor	Working Bench	4	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)
	Furniture And Materials					
54	Shop Floor Furniture And Materials	Wiring Board	1	1	3 Yrs.	Yes
55	Shop Floor Furniture And Materials	Instructor's table	1	1	3 Yrs.	Yes
56	Shop Floor Furniture And Materials	Instructor's chair	2	1	3 Yrs.	Yes
57	Shop Floor Furniture And Materials	Trainee Chair	1	1	3 Yrs.	Yes
58	Shop Floor Furniture And Materials	Trainee table for two trainee	10	10	3 Yrs.	Yes
59	Shop Floor Furniture And Materials	Almirah	1	1	3 Yrs.	Yes