

CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Textiles Committee (Ministry of Textiles, Govt. Of India)

P Balu Road, Prabhadevi Chowk, Prabhadevi,

Mumbai - 400025

Name and contact details of individual dealing with the submission:

Name : Kartikay Dhanda

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List of documents submitted in support of the Qualifications File:

1. Career map of Blow Room, Carding and Draw Frame Operator
2. Blow Room, Carding and Draw Frame Operator Course Module
3. Format for RFP for Assessment Agency Accreditation from RSA
4. Assessment Protocol developed by RSA
5. Skill gap report for textile sector
6. Assessment sheet
7. Photographs and attendance sheets of Validation programmes

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Approved in 23rd NSQC Meeting, 22nd August, 2019

SUMMARY:

1	Qualification Title	Blow Room, Carding and Draw Frame Operator
2	Qualification Code, if any	TC SPG 01
3	NCO code and occupation	NCO-2015/8151.99
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	A certificate course under ISDS (A project of Govt. Of India) Purpose: To convert a non worker (layman) into a worker (able to operate a Blow Room, Carding and Draw Frame machines)
5	Body/bodies which will award the qualification	Textiles Committee (RSA) under the Ministry of Textiles
6	Body which will accredit providers to offer courses leading to the qualification	Ministry of Textiles/ Office of Textile Commissioner / Resource Support Agency (Textiles Committee)
7	Whether accreditation/affiliation norms are already in place or not , if applicable (if yes, attach a copy)	N/A
8	Occupation(s) to which the qualification gives access	Blow Room, Carding and Draw Frame Operator

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9	Job description of the occupation	A Blow Room, Carding and Draw Frame Operator- is allotted machines by his supervisor and is responsible for operating the Blow Room, Carding and Draw Frame machines efficiently so as to get maximum output with minimum waste and carrying out all activities on the machines, giving due importance to safety and environmental aspects.
10	Licensing requirements	N/A
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	N/A
12	Level of the qualification in the NSQF	2
13	Anticipated volume of training/learning required to complete the qualification	300 Hours
14	Indicative list of training tools required to deliver this qualification	<ul style="list-style-type: none">• Blow Room line• Carding machine• Drawframe machine• Tei bag for contamination picking – 20• Nose masks & Caps – 20• Lap rods – 20• Cans – 20

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		<ul style="list-style-type: none"> • Full cans for Draw frame – 20
15	Entry requirements and/or recommendations and minimum age	<ul style="list-style-type: none"> • The candidate should be able to read and write in any language. • Minimum 14years of age
16	Progression from the qualification (Please show Professional and academic progression)	From Blow Room, Carding and Draw Frame Operator to jobber in blowroom, carding and draw frame area of spinning preparatory department.
17	Arrangements for the Recognition of Prior learning (RPL)	N/A
18	International comparability where known (research evidence to be provided)	N/A
19	Date of Planned Review Of the qualification	01/09/2021
20	Formal structure of the qualification	
	Mandatory components	
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)
		Level

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Theoretical Knowledge to impart relevant basic technical information of the machines and it's operations	60	2
Practical knowledge of the course to understand the work practises and operating the machines.	210	
Soft Skills to improve safety, behaviour, hygiene, attitude, etc.	30	
sub total	300	

Document giving further detail about the structure of the qualification – e.g. a Curriculum or Qualification Pack:

1. Blow Room, Carding and Draw Frame Operator course module– [Annexure II](#)

SECTION 1

ASSESSMENT:

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21	Body/Bodies which will carry out assessment: The Assessment Agencies empanelled under Resource Support Agency (Textiles Committee) will carry out the Assessment. Details of the documents: List of Assessment Agencies empanelled under Resource Support Agency (Textiles Committee) is mention below.
22	How will RPL assessment be managed and who will carry it out? N/A
23	Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF. a) The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria. b) The assessment Sheets are developed by Subject Matter Experts (SME) available with the Resource Support Agency. c) The assessments sheets are also checked for the various outcome based parameters such as technical knowledge, soft skills, Practical Knowledge, & equipment requirement, etc. d) The assessments are designed so as to assess maximum parts during the practical hands on work. Duties and responsibility of a Blow Room, Carding and Draw Frame operator are also assessed. e) The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a documentwith its assessment agency by which they commit that they are not associated with any other assessment agencies or any training partner to avoid any conflict of interest, independence from commercial and other interests that would compromise impartiality of the assessments.

- f) The assessment agencies are instructed to Ideally have assessor with right mix of industry experience, academia and these are detailed in Assessment Protocol
- g) The documents of the assessors selected by Assessment Agencies are then forwarded to RSA for further scrutiny.
- h) The selected assessors are provided with unique assessor id by RSA as per the assessment protocol.

The assessment results are backed by evidences collected by assessors.

1. The assessor ensures that the attendances of the trainees are equal to or more than 60%.
2. The assessor needs to verify the authenticity of the candidate by confirming the biometric identity. In case of suspicion, the assessor should authenticate and cross verify trainee's credentials in the enrolment form.
3. The assessor collects the assessment summary sheet with signature of both the assessor and the Implementing Agency's coordinator after successful completion of the assessment.
4. The assessor also needs to carry a photo ID card.
5. The assessor verifies whether the training infrastructure is in compliance to the criteria as set by RSA.
6. The details on assessment are elaborated in the Assessment Protocol developed by RSA.

All accredited Assessment Agency follow the "Assessment Protocol developed by RSA". Each course module comprises of soft skills, theoretical part and practical and accordingly the assessment sheets are prepared. The marks for the theoretical and practical assessment, in total, are calculated and the candidates acquiring marks equal to or more than 60% are declared pass.

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Relevant and recent documents giving further information about assessment and/or RPL:

1. Format of RFP for AA Accreditation from RSA- [Annexure III](#)
2. Assessment Protocol Developed by RSA – [Annexure IV](#)

24. ASSESSMENT EVIDENCE:

Title of Component:

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
Practical Outcome: <ul style="list-style-type: none">• Operating the Machine	<ul style="list-style-type: none">• It will be observed by the assessor whether he/she is able to operate (switch on and off) the machine in

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<ul style="list-style-type: none">• Feeding the input material• Identifying and removing contaminations found• Understand the signal lamps indications and work accordingly• Attending to breakages• Changing cans, collecting & disposing the droppings and other waste category wise.	<p>presence of an experienced operator.</p> <ul style="list-style-type: none">• It will be observed by the assessor whether he/she is feeding the raw material to the machine properly or not. Example: Feeding of carded sliver into the drawframe without breakage.• The operator should be able to identify different types of contamination like, leaf, polyethene, metal etc. by visual examination.• The assessor will ask him/her meaning of different signals in the machine by lighting false signals in presence of an experienced operator.• It will be observed by the assessor whether he/she is able to attend the breakages properly in optimum time or not. Example: The assessor will break the sliver at feeding and the trainee will be asked to restart the machine.• The trainee will be asked to arrange the cans of different colour according to the sequence, he/she will be asked to dispose the waste separately from the bunch of different wastes.
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Theoretical Outcome: <ul style="list-style-type: none">• Knowledge of basic textile terms• Contaminations• Different parts of machine and their functions• Operating the machines• Defects and their remedies• Importance of colour code to be followed• Responsibilities during shift change.	<ul style="list-style-type: none">• The trainee will be asked different questions (given in the assessment sheet) about basic textile terms by the assessor.• Based upon the assessment sheet the assessor will ask him/her about different type of contaminations.• Randomly the assessor will ask functions of different parts of the machine.• The assessor will ask him/her how to operate the machine (without showing him/her the machine).• Questions regarding different kinds of defects and their remedies will be asked by the assessor.
Safety precautions	Questions regarding meaning of different colours codes will be asked. Different questions regarding shift change (example: how you will give the charge to the next operator) and safety precautions like how to wear the protective gear properly, use of first aid etc. will be asked by the assessor.
Means of assessment 1	Questionnaire and practical observation (Annexure-VI)
Means of assessment 2	N/A

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Pass / Fail	Qualified or Not qualified. Only after qualifying the certificate will be awarded.
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SECTION 2

25. EVIDENCE OF LEVEL

Title / Name of qualification / component: Blow Room, Carding and Draw Frame Operator	Outcome of the Qualification/Component	How the outcomes relates to the NSQF level descriptors	NSQF level
Process	A Blow Room, Carding and Draw Frame Operator- is allotted machines by his supervisor and is responsible for carrying out activities related to the Blow Room, Carding and Draw Frame machines like Feeding with input materials, attending to breaks, periodically collecting & disposing waste generated, ensure proper functioning of the machines and doffing etc.,. The operator should be able to operate material handling equipments, weighing balance	The processes like feeding the input material, attending breaks, collecting and disposing waste generated etc. are repetitive and this is done on a regular basis with a little of application of understanding like one type of waste should not be mixed with other type of waste. Attending the breaks, doffing etc. require practice so as to work	2

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	and should be able to understand the programmes, emergency control, etc of machines.	efficiently.	
Professional Knowledge	A Blow Room, Carding and Draw Frame Operator knows the process as mentioned above and material flow in a spinning mill, functioning of different types of spinning preparatory machines, their controls and guidelines for operating the machine. Understanding & segregation of contaminations, Knowledge of various varieties of material processed, defects in Blow room lap/Chute, sliver, various varieties of waste generated and method of collection & disposals and safety aspects. Understanding of importance of quality and productivity. Importance of proper handing over shift and taking over shift. Able to follow the SOP and safety standards, etc. maintained	Application of materials like bales, sliver and laps and tools like spinning preparatory machines, bale plucker, carding machine, weighing balance. The operator understands context of work and quality like if there is not proper sliver formation in carding machine it will affect the quality in drawframe.	2

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	by the company.		
Professional Skills	The operator takes charge of shift and operates the Blow Room/Carding and or Draw Frame machines on routine basis as instructions from supervisor.	Limited service skills used in limited context like operating the machine, waste collection etc.; assist in professional works with no variables; differentiates good and bad quality like how to piece the lap/sliver with no or little deterioration in quality.	2
Core Skills	This operator writes clear and short sentences, comprehends written instructions, communicates with the supervisor appropriately and talks to others to convey information effectively.	Receive and transmit written and oral messages like the operator received written instruction from the shift officer and transmit them to the fitter or the lab guy as required. The operator knows basic calculations like addition, subtraction etc. and he uses the same for baling and lap	2

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		collection purpose	
<p>Responsibility</p>	<p>This operator takes charge of the shift after discussing in the issues faced with respect to the quality, production and safety and reports to the shift supervisor about issues faced in the shift and leaves the department. He /She works under instructions with close supervision. He / She contribute for safe & healthy work environment and follow the industry & organizational compliances.</p>	<p>As the worker leave the premises after discussing the issues faced during the shift, no responsibility lies on the operator. The shift supervisor takes up the matter and resolves the problem, if any. The operator works under instruction and close supervision. The operators operate the machine and do the waste collection as instructed by the supervisor.</p>	

SECTION 3**EVIDENCE OF NEED**

26	What evidence is there that the qualification is needed? What estimated uptake of this qualification and what is the basis of this estimate?		
	Basis	In Case Of SSC	In case of other Awarding Bodies (Institutes under Central Ministries and states departments)
	Need of the qualification		<p>Different course validation programs were conducted the details of which is mentioned below:</p> <ol style="list-style-type: none"> 1. Validation program of Spinning and Weaving course modules developed by RSA was conducted at Coimbatore (Ref. RSA fortnightly report as on 29.05.2015 to MoT). 2. Validation program of Processing, Knitting and Apparels course modules

		<p>developed by RSA was conducted at Tirupur (Ref. RSA fortnightly report as on 29.05.2015 to MoT).</p> <p>3. Workshop on course content validation was held in New Delhi on 29.06.2015.</p> <p>4. One day orientation program on course content and assessment on 13th August, 2015 was conducted in New Delhi.</p> <p>5. Two validation programs were conducted at Ludhiana and Panipat on 2nd June, 2015 and 03rd June, 2015 respectively.</p> <p>6. Industrial consultation workshop with the stake holders, traders and industry for course content developed by RSA was organized on Saturday. 31.05.2015 at Coimbatore for validation.</p>
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			Participants from Industry, Implementing Agencies and Assessment Agencies participated in the validation programs. Based on the feedback from participants suitable modifications in the course module were incorporated and also some more modules were developed.
	Industry Relevance		This job role is required in the specific industry and also validates by organisation of the industry. The list of which is attached below.
	Usage of qualification		It will be used for training purpose to convert a non worker into a worker. Also to skill and up-skill the candidates.
	Estimated uptake	As per the report of NSDC on Human Resource and Skill Requirement in Textile and Clothing Sector (2013-17, 2017-22) (Annexure-5): Currently, 15.23 million people are employed in the textile subsector across yarn and fabric, home textiles, technical	

		<p>textiles and readymade garments. Human resource requirement in the sector is expected to reach 21.54 million by 2022 translating into 6.31 million additional employment opportunities during the period 2013-22. Also the National Textile Policy aims to create 35 million jobs and achieve exports worth INR 18 lakh crores by 2024-25 with the help of investments. Draft proposal for the same was submitted by expert panel constituted by the government on 28th July, 2014.</p>
27	<p>Recommendation from the concerned Line Ministry of the Government / Regulatory Body. To be supported by documentary evidences.</p> <p>Textiles Committee as Resource Support Agency (RSA) is itself submitting the said qualification as per the direction of Ministry of Textiles (MoT).</p>	
28	<p>What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification.</p> <p>QPs for Job Roles of various related SSC's were studied to ensure that there is no duplicity for the claimed levels i.e. level 2. There is no similar qualification at level 2. However SSC has similar 3 QP at level four which are namely Blowroom Operator, Carding Operator and Drawframe Operator in level 4</p>	
29	<p>What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated? Specify the review</p>	

<p>process here.</p> <p>Version 1 of the courses has been prepared and uploaded on Textiles Committee website and next version will be prepared by September 2018. Feedback for the courses will be collected 6 months prior to the revision and format for the said purpose will be prepared and uploaded to TC website for receiving the comments from the stake holder for any change, if required, in the said course. Further, the feedback form will be sent to all the Implementing Agencies under MoT for their necessary comments before taking the exercise of revision of version-1.</p> <p>After receiving feedback and compiling the same the necessary amendments, if required, will be made and all the course will be revised by the team of experts in the domain field.</p>

Please attach any documents giving further information about any of the topics above.

1. Skill gap report for textile sector_2008-2022– [Annexure V](#)

SECTION 4

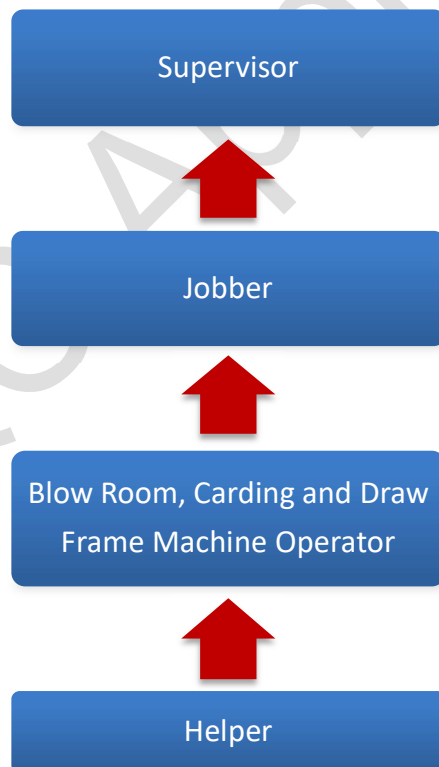
EVIDENCE OF PROGRESSION:

30 What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

Show the career map here to reflect the clear progression

By acquiring this qualification the operator will be able to operate blowroom, carding and drawframe machines. After giving some extra training the operator will be able to operate other spinning machines like speedframe, ringframe, Autoconer, winding machines etc.

The career progression would be as follows:



Most relevant and recent documents giving further information about any of the topics above:

List of documents submitted in support of the Qualifications File:

1. Career map of Blow Room, Carding and Draw Frame Operator
2. Blow Room, Carding and Draw Frame Operator Course Module
3. Format for RFP for Assessment Agency Accreditation from RSA
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5. Skill gap report for textile sector
6. Assessment sheet
7. Photographs and attendance sheets of Validation programmes

List of Industries involved in the validation process:

- SITRA, Coimbatore
- Tasma, Bindigul
- ALPINE Knits India Pvt. Ltd.
- NIFT, Tirupur
- Nitin Textiles Pvt. Ltd., Dindigul
- Saravana Spg. Mills Pvt. Ltd. Dindigul
- Gomathi Spinning Mills, Tirupur
- Quantum Knits
- G K Consultancy
- BRT Spinners Pvt. Ltd.
- Sky Cotex India Pvt. Ltd.
- KCT, Copimbatore
- Raghav Industries limited
- Textile Technology Kumaraguru College
- NIFTTEA College, Tirupur
- CBC Tirupur
- SCM Textiles
- Sri Karthikeya Spg. Mills
- ELLITE Textiles
- Aatharva Garments
- ATDC-ERODE
- ATDC-Tirupur

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- Santhosh Spg mills
- Sri Venkateshwara Spg. Mills
- Venilakshmi Mills
- Hi Tech Spg. Mills
- Sunder Textiles
- SISPA
- Bhaskar Foundation
- CMAI-Mumbai
- ALT Kanpur
- RSWM, Banswara
- RSWM, Bhilwara
- Modelama Exports
- Textile Association Delhi
- Matric Clothing Pvt. Ltd (ASDA)
- NEED
- Institute of Jute Technology, DJFT, CU
- Dhruv international pvt. Ltd.
- Shri lakshmi Cotsyn
- NTC- New Delhi
- AMH-SSC
- Laj Exports Ltd, noida
- Technopak Advisors Pvt. Ltd.
- Wazir Advisors

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- Golden Trends Pvt. Ltd.
- IL&FS Clusters
- SPINFED Odisha
- Orient Craft Limited
- India Fashion
- U K International
- Shivalik Prints
- Feather Touch
- Sampada tex
- Kapoor Industries panipat
- Paliwal Industries
- Rivira Home Furnishings
- Dashmesh Jacquard and Powerloom
- Mittal Industries
- Anand International
- Harisons Overseas
- Khurana Furnishing Pvt. Ltd.
- R H F Pvt. Ltd.
- ESSKAY Enterprise
- Hometex Design
- Abhishek Textiles
- R P Overseas
- FAZE3

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List of Assessment Agencies provisionally empanelled under**Resource Support Agency (Textiles Committee)**

Sr. No.	Name of the Applicant Agency
1	SAMHIT Assessments and Research Foundation
2	Employable Skills Advancement, Assessments and Certification LLP
3	E Skill revolution Pvt. Ltd.
4	Amrit Skills Development Pvt. Ltd
5	Punia Consultancy LLP
6	AIMS Educational Society
7	PVR Skill Central Pvt. Ltd.
8	Sun Gateway
9	INNOCOX Consulting and Research Pvt. Ltd.
10	Indus Institute of Skills Management Pvt. Ltd.
11	Indian Institute of Multimedia and Animation Technology
12	Last Mile Innovation Pvt. Ltd.
13	Wirat Skill Pvt. Ltd.
14	FORMAC Software Service Pvt. Limited
15	Grassroots Skill Development Initiative Pvt. Ltd.
16	Blue and Green Skills Solution
17	E & E Skill Development and Technologies Pvt. Ltd.
18	The Unique Handloom and Handicraft Society
19	Radiant Infonet Pvt. Ltd.
20	Yuva Skill Foundation
21	Odisha institute for Social Development
22	Federation of Indian Chamber of Commerce and Industry
23	QUIZ India Solutions and Services Pvt. Ltd.
24	Krushni Mitra Grameen Abhivruddhi Sansthe

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25	Rajiv Gandhi education Foundation
26	PSG College of Technology
27	Quibus Technologies Pvt. Ltd.
28	ITCOT Consultancy and Services Pvt. Ltd.
29	Ayman Trainer Wings Pvt. Ltd.
30	Aspiring Minds Assessment Pvt. Ltd.
31	Eduquity Career Technologies Pvt. Ltd.
32	Pacifier Solutions Pvt. Ltd.
33	KSR Institute of Technology
34	ASSOCHAM
35	Easyfix Technologies Pvt. Ltd
36	DN Polytechnic Education Trust
37	TIRTH Global Solutions LLP
38	RAS Skill Initiatives
39	TUV SUD South Asia Pvt. Ltd.
40	Rational Multiskill Pvt. Ltd.
41	Skill Training Assessment Management Partners Ltd. (STAMP)
42	Global SME Devnet Pvt. Ltd.
43	Federation of Indian Women Entrepreneur
44	Inspire Youth Development Pvt. Ltd.
45	Trendsetters Skill Assessors Pvt. Ltd.
46	Skill Mantra Edutech Consulting India Pvt. Ltd.
47	The Assessors Guild
48	Dharmarth paristhapan Evam Sanskriti Samvardhan Samiti
49	AYES Infotech Pvt. Ltd
50	SKISAT
51	Shri Guru Hargovind Society
52	Geostat Technologies Pvt. Ltd.

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53	Imperial Service Development Society
54	Sehpathi Publications Pvt. Ltd.
55	Miramis Training Services (I) Pvt. Ltd.
56	I-Vintage Solutions Pvt. Ltd.
57	Mercury Institute of Engineering and Technology
58	Veritas Skill and Research Pvt. Ltd.
59	Tanstia FNF Service Center
60	Roshtoffe International Pvt. Ltd.
61	Truely Yours Welfare Society
62	Sell Safari EBIZ Pvt. Ltd.
63	Unique Call Solutions Pvt. Ltd.
64	Skill Express Learning Solutions Pvt. Ltd.
65	MSAG Skill India LLP
66	Base research Consultancy Services Pvt. Ltd.
67	C K Skills Research and Development Pvt. Limited
68	DNA Training Academy Pvt. Ltd.
69	Bayleaf
70	People Point
71	SB Assessors and Services Pvt. Ltd.
72	Narsingh Technical Shiksha Samiti
73	Doon Bosco Women Education and Vocational Training Society
74	Central Technical Consultancy
75	ITRC Technologies Pvt. Ltd.
76	Centurian University of Technology and Management