

दक्षिण रेलवे Southern Railway  
प्रधान मुख्य कार्मिक अधिकारी कार्यालय  
Office of the Principal Chief Personnel Officer  
प्रधान कार्यालय, कार्मिक विभाग, चेन्नै-600003  
Headquarters, Personnel Department, Chennai-600003

सं/No: P(R) 673 / P / Vol.VI

दिनांक/Dated:26.06.2023

All PHODs/ DRMs/ CWMs/ CEWE/ CAO/ CPM/ PDA/ Dy.CPOs/ Sr.DPOs/ Secy to GM,  
Chairman/RRB/MAS,TVC, Addl.Registrar/RCT/MAS, Secretary/RRT/MAS,  
Principal MDZTI/TPJ, SRCETC/TBM, ZETTC/AVD,  
DPOs/SPOs/WPOs/APOs of HQ/Divisions /Workshops/Units.

विषय/Sub:List of ITI Trades provided by Director General of Training -  
reg.

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A copy of Railway Board's letter E(NG)II-2023/RR-1/42 dated 14.06.2023  
alongwith its enclosures on the above subject is enclosed for information, guidance  
and necessary action.

Encl.23 pages

 Digitally signed by  
SENTHIL KUMAR  
Date: 2023.06.27  
13:22:38 +05'30'

उपमुकाधि/समन्वयन /Deputy Chief Personnel Officer / Co-ord  
कृते प्रमुकाधि/For Principal Chief Personnel Officer

प्रतिलिपि/Copy to: The General Secretary/SRMU  
The General Secretary/AISCTREA  
The General Secretary/AIOBCREA  
The General Secretary/NFIR

IT Section/PB/HQ - to upload in the SR website



GOVERNMENT OF INDIA (BHARAT SARKAR)  
MINISTRY OF RAILWAYS (RAIL MANTRALAYA)  
(RAILWAY BOARD)

एकुल कुटुलकुल  
ONE EARTH - ONE FAMILY - ONE FUTURE

No. E(NG)II/2023/RR-1/42

New Delhi, dated: 14.06.2023

**The General Manager (P)**  
**All Indian Railways/PUs.**  
**Railway Recruitment Boards**  
**Railway Recruitment Cells**

A reference has been received from Director General of Training (DGT), Ministry of Skill Development & Entrepreneurship enclosing list of 152 ITI Trades (84 Engineering Trades + 63 non-engineering trades + and 05 trades for Divyang and a list containing new age Courses developed by DGT which are aligned with National Skill Qualification Framework

2. List of ITI Trades provided by DGT are enclosed for ready reference.
3. Railway establishments / Recruiting agencies may accept ITI certificate in the relevant trades borne on this list for posts wherever ITI has been prescribed as a direct recruitment qualification.

DA: As above

  
(U.K. Tiwari)  
Jt. Director Estt. (N)  
Railway Board

List of Non-Engineering Trades: 63

| Sl. No. | Name of the Trade                           | Entry Qualification  | NSQF Level | Duration               | Year Revision |
|---------|---|--|------------|------------------------|---------------|
| 1.      | Remotely Piloted Aircraft (RPA)/Drone Pilot | Passed 10 <sup>th</sup> Class Examination with Science and Mathematics or its equivalent | Level - 3  | 6 Months<br>(600 Hr.)  | 2022          |
| 2.      | Floriculture & Landscaping                  | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3  | One year<br>(1200 Hr.) | 2022          |
| 3.      | Horticulture                                | Passed class 10 <sup>th</sup> examination or its equivalent                              | Level - 3  | One year(1200 Hr.)     | 2022          |
| 4.      | Soil Testing and Crop Technician            | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent | Level - 3  | One year(1200 Hr.)     | 2022          |
| 5.      | Computer Aided Embroidery & Designing       | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3  | One year(1200 Hr.)     | 2022          |
| 6.      | Dress Making                                | Passed 08 <sup>th</sup> class examination  | Level - 3  | One year(1200 Hr.)     | 2022          |
| 7.      | Fashion Design and Technology               | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3  | One year(1200 Hr.)     | 2022          |
| 8.      | Sewing Technology                           | Passed 8 <sup>th</sup> class examination   | Level - 3  | One year(1200 Hr.)     | 2022          |

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|     |  |  |           |                        |      |
|-----|--|--|-----------|------------------------|------|
| 9.  | Driver cum<br>Mechanic                     | Passed 8 <sup>th</sup> Class<br>Examination  | Level - 3 | 6 Months (600<br>Hr.)  | 2022 |
| 10. | Cosmetology                                | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent                                    | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 11. | Spa Therapy                                | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent                                    | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 12. | Finance Executive                          | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent                                    | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 13. | Early Childhood<br>Educator                | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent                                    | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 14. | IoT Technician<br>(Smart<br>Agriculture)   | Passed 10 <sup>th</sup> class<br>examination with<br>Science and<br>Mathematics or its<br>equivalent | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 15. | IoT Technician<br>(Smart City)             | Passed 10 <sup>th</sup> class<br>examination with<br>Science and<br>Mathematics or its<br>equivalent | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 16. | IoT Technician<br>(Smart Health<br>Care)   | Passed 10 <sup>th</sup> class<br>examination with<br>Science and<br>Mathematics or its<br>equivalent | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 17. | Smartphone<br>Technician Cum<br>App Tester | Passed 10 <sup>th</sup> Class<br>Examination or its<br>equivalent                                    | Level - 3 | 6 Months (600<br>Hr.)  | 2022 |

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|     |   |  |           |                     |      |
|-----|---|--|-----------|---------------------|------|
| 18. | <b>Baker &amp; Confectioner</b>             | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3 | One year (1200 Hr.) | 2022 |
| 19. | <b>Dairying</b>                             | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3 | One year (1200 Hr.) | 2022 |
| 20. | <b>Agro Processing</b>                      | Passed 10 <sup>th</sup> Class examination or its equivalent                              | Level - 3 | One year (1200 Hr.) | 2022 |
| 21. | <b>Food and Beverages Service Assistant</b> | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3 | One year (1200 Hr.) | 2022 |
| 22. | <b>Food Beverage</b>                        | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent | Level - 3 | One year (1200 Hr.) | 2022 |
| 23. | <b>Fruits and Vegetables Processing</b>     | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent | Level - 3 | One year (1200 Hr.) | 2022 |
| 24. | <b>Milk and Milk Product Technician</b>     | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3 | One year (1200 Hr.) | 2022 |
| 25. | <b>Marketing Executive</b>                  | Passed 10 <sup>th</sup> class examination or its equivalent                              | Level - 3 | One year(1200 Hr.)  | 2022 |
| 26. | <b>Bamboo Works</b>                         | Passed 8 <sup>th</sup> Class Examination   | Level - 3 | One year (1200 Hr.) | 2022 |
| 27  | <b>Radiology Technician</b>                 | Passed 10th Class examination with Science and   | Level - 4 | Two Year (2400 Hr.) | 2022 |

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|     |   |   |           |                     |      |
|-----|---|---|-----------|---------------------|------|
|     |   | Mathematics or its Equivalent.  |           |                     |      |
| 28. | <b>Dental Laboratory Equipment Technician</b>             | Passed 10 <sup>th</sup> class examination or its equivalent                                   | Level – 4 | Two Year (2400 Hr.) | 2022 |
| 29. | <b>Health Sanitary Inspector</b>                          | Passed 10 <sup>th</sup> class examination or its equivalent                                   | Level – 3 | One year (1200 Hr.) | 2022 |
| 30. | <b>Physiotherapy Technician</b>                           | Passed 10 <sup>th</sup> class examination or its equivalent                                   | Level - 3 | One year (1200 Hr.) | 2022 |
| 31. | <b>Geriatric Care Aide</b>                                | Passed 10 <sup>th</sup> class examination or its equivalent                                   | Level - 3 | One year (1200 Hr.) | 2022 |
| 32. | <b>Geo-Informatics Assistant</b>                          | Passed 12 <sup>th</sup> class examination with Mathematics in matriculation or its equivalent | Level – 4 | One year (1200 Hr.) | 2022 |
| 33. | <b>Computer Hardware &amp; Network Maintenance</b>        | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent      | Level – 3 | One year (1200 Hr.) | 2022 |
| 34. | <b>Computer Operator and Programming Assistant (COPA)</b> | Passed 10 <sup>th</sup> class examination   | Level – 3 | One year (1200 Hr.) | 2022 |
| 35. | <b>Database System Assistant</b>                          | Passed 12th class examination with Science & Mathematics or equivalent.                       | Level – 4 | One year (1200 Hr.) | 2022 |

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|     |   |   |           |                     |      |
|-----|---|---|-----------|---------------------|------|
| 36. | <b>Desktop Publishing Operator</b>                  | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 37. | <b>Multimedia, Animation &amp; Special Effects</b>  | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 38. | <b>Software Testing Assistant</b>                   | Passed 12 <sup>th</sup> class examination with Science & Mathematics or its equivalent. | Level - 4 | One year (1200 Hr.) | 2022 |
| 39. | <b>Footwear Maker</b>                               | Passed 8 <sup>th</sup> Class Examination  | Level - 3 | One year (1200 Hr.) | 2022 |
| 40. | <b>Leather Goods Maker</b>                          | Passed 8 <sup>th</sup> Class Examination  | Level - 3 | One year (1200 Hr.) | 2022 |
| 41. | <b>Secretarial Practice (English)</b>               | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 42. | <b>Stenographer Secretarial Assistant (English)</b> | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 43. | <b>Digital Photographer</b>                         | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 44. | <b>Photographer</b>                                 | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |
| 45. | <b>Video Cameraman</b>                              | Passed 10 <sup>th</sup> class examination or its equivalent.                            | Level - 3 | One year (1200 Hr.) | 2022 |

|     |   |  |           |                        |      |
|-----|---|--|-----------|------------------------|------|
| 46. | <b>Human Resource Executive</b>                         | Passed 10 <sup>th</sup> class examination or its equivalent.   | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 47. | <b>Stenographer Secretarial Assistant (Hindi)</b>       | 10th passed under 10+2 System or its equivalent.   | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 48. | <b>Fire Technology and Industrial Safety Management</b> | (a).Passed class 10 <sup>th</sup> class Examination or its equivalent.<br>(b).The minimum physical requirements are<br>i. Height - 165 cm<br>ii. Weight - 52 kg<br>iii. Chest - Normal 81 cm - Expanded 85 cm<br>A registered MBBS doctor must certify that the candidate is medically fit to undertake the course | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 49. | <b>Fireman</b>  | Passed class 10 <sup>th</sup> Class Examination or its equivalent.   | Level - 3 | 6 Months (600 Hr.)     | 2022 |
| 50. | <b>Health, Safety and Environment</b>                   | Passed class 10 Examination or its equivalent.<br>The minimum physical requirements are<br>Height - 165 cm<br>Weight - 52 kg<br>Chest - Normal 81 cm   | Level - 3 | One year<br>(1200 Hr.) | 2022 |



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|     |  |   |           |                        |      |
|-----|--|---|-----------|------------------------|------|
|     |  | Expanded 85 cm.<br>A registered MBBS<br>doctor must certify that<br>the candidate is<br>medically fit to<br>undertake the course. |           |                        |      |
| 51. | Surface<br>Ornamentation<br>Techniques<br>(Embroidery) | Passed 8 <sup>th</sup> Class<br>examination   | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 52. | Weaving<br>Technician for Silk<br>& Woolen Fabrics     | Passed 8 <sup>th</sup> class<br>examination   | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 53. | Front Office<br>Assistant                              | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 54. | Catering &<br>Hospitality<br>Assistant                 | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 55. | Food Production<br>(General)                           | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 56  | Hospital<br>Housekeeping                               | Passed 10 <sup>th</sup> class<br>Examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 57  | Housekeeper  | Passed 10 <sup>th</sup> class<br>Examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |
| 58  | Tourist Guide  | Passed 10 <sup>th</sup> class<br>examination or its<br>equivalent.  | Level - 3 | One year<br>(1200 Hr.) | 2022 |

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|     |                                    |  |           |                     |      |
|-----|------------------------------------|--|-----------|---------------------|------|
| 59  | <b>Travel &amp; Tour Assistant</b> | Passed 10 <sup>th</sup> class examination or its equivalent.   | Level - 3 | One year (1200 Hr.) | 2022 |
| 60  | <b>Data Entry Operator</b>         | Passed 10th class examination  | Level - 3 | 6 Months (600 Hr.)  | 2022 |
| 61  | <b>Fiber to Home Technician</b>    | Passed 10th Examination<br>OR<br>Passed in Level 3 Short term course related to fiber technology with two years relevant experience. | Level - 3 | 6 months (600Hrs)   | 2022 |
| 62  | <b>Drone Technician</b>            | Passed 10th Class Examination with Science and Mathematics or its equivalent   | Level - 3 | 6 Months(600 Hr.)   | 2022 |
| 63. | <b>Honey Processing Technician</b> | Passed class 10 the examination  | Level - 3 | 6 Months(600 Hr.)   | 2022 |

## Annexure-I

List of 152 NSQF Complaint Trades (84 Engineering Trades + 63 Non Engineering Trades+ 05 trades for Divyang) under Craftsmen Training Scheme

Engineering Trades :84

| Sl. No. | Name of the Trade    | Entry Qualification   | NSQF Level | Duration           | Year<br>Revision |
|---------|----------------------|---|------------|--------------------|------------------|
| 1       | Electrician          | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4  | 2 Years (2400 Hr.) | 2022             |
| 2       | Electronics Mechanic | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4  | 2 Years (2400 Hr.) | 2022             |
| 3       | Fitter               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4  | 2 Years (2400 Hr.) | 2022             |
| 4       | Turner               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4  | 2 Years (2400 Hr.) | 2022             |
| 5       | Welder               | Passed 8 <sup>th</sup> class examination  | Level – 3  | 1 Year (1200 Hr.)  | 2022             |
| 6       | Draughtsman (Civil)  | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent  | Level – 4  | 2 Years (2400 Hr.) | 2022             |

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|    |                                       |   |           |                    |      |
|----|---------------------------------------|---|-----------|--------------------|------|
| 7  | <b>Carpenter</b>                      | Passed 8 <sup>th</sup> class examination  | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 8  | <b>Draughtsman Mechanical</b>         | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 9  | <b>Domestic Painter</b>               | Passed 10 <sup>th</sup> class examination or its equivalent.                              | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 10 | <b>Electroplater</b>                  | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 11 | <b>Foundryman</b>                     | Passed 10 <sup>th</sup> class examination   | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 12 | <b>Industrial Painter</b>             | Passed 10 <sup>th</sup> class examination or its equivalent.                              | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 13 | <b>Instrument Mechanic</b>            | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 14 | <b>Interior Design and Decoration</b> | Passed 10 <sup>th</sup> class examination with Science & Mathematics or its equivalent    | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 15 | <b>Machinist Grinder</b>              | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 16 | <b>Machinist</b>                      | Passed 10 <sup>th</sup> class examination with Science and                                | Level - 4 | 2 Years (2400 Hr.) | 2022 |

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|    |   |   |           |                    |      |
|----|---|---|-----------|--------------------|------|
|    |   | Mathematics or its equivalent.  |           |                    |      |
| 17 | <b>Marine Engine Fitter</b>                         | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 18 | <b>Marine Fitter</b>                                | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 19 | <b>Mechanic Consumer Electronic Appliances</b>      | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 20 | <b>Mechanic Two and Three Wheeler</b>               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 21 | <b>Mechanic Auto Body Painting</b>                  | Passed 10 <sup>th</sup> class examination or its equivalent.                              | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 22 | <b>Mechanic Auto Body Repair</b>                    | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 23 | <b>Refrigeration and Air Conditioner Technician</b> | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 24 | <b>Mechanic Agricultural Machinery</b>              | Passed 10 <sup>th</sup> class examination with Science and mathematics                    | Level – 4 | 2 Years (2400 Hr.) | 2022 |

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|    |   |   |           |                    |      |
|----|---|---|-----------|--------------------|------|
| 25 | <b>Mechanic Auto Electrical and Electronics</b> | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 26 | <b>Mechanic Diesel</b>                          | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 27 | <b>Mechanic Tractor</b>                         | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 28 | <b>Mechanic Machine Tool Maintenance</b>        | Passed 10 <sup>th</sup> Class Examination with Science and Mathematics or its equivalent  | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 29 | <b>Operator Advance Machine Tool</b>            | Passed 10 <sup>th</sup> Class examination with Science and Mathematics                    | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 30 | <b>Painter (General)</b>                        | Passed 10 <sup>th</sup> class examination.  | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 31 | <b>Plastic Processing Operator</b>              | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 32 | <b>Pump Operator Cum Mechanic</b>               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 33 | <b>Electrician Power Distribution</b>           | Passed 10 <sup>th</sup> class examination with Science and                                | Level – 4 | 2 Years (2400 Hr.) | 2022 |

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|    |   |   |           |                    |      |
|----|---|---|-----------|--------------------|------|
|    |   | Mathematics or its equivalent.  |           |                    |      |
| 34 | Sheet Metal Worker                              | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 35 | Solar Technician (Electrical)                   | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.                   | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 36 | Surveyor  | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.                   | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 37 | Tool & Die Maker (Dies & Moulds)                | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent                    | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 38 | Tool & Die Maker (Press Tools, Jigs & Fixtures) | Passed 10 <sup>th</sup> Class with Science and Mathematics under 10+2 system of education or its equivalent | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 39 | Technician Medical Electronics                  | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.                   | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 40 | Technician Mechatronics                         | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.                   | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 41 | Technician Power Electronic Systems             | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its                               | Level – 4 | 2 Years (2400 Hr.) | 2022 |

|    |                                       |   |           |                    |      |
|----|---------------------------------------|---|-----------|--------------------|------|
|    |                                       | equivalent.   |           |                    |      |
| 42 | Vessel Navigator                      | Passed 10 <sup>th</sup> Class with Science and Mathematics or its equivalent              | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 43 | Welder (GMAW & GTAW)                  | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 44 | Welder (Pipe)                         | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 45 | Welder (Structural)                   | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 46 | Welder (Fabrication & Fitting)        | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 47 | Welder (Welding & Inspection)         | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 48 | Wireman                               | Passed 8 <sup>th</sup> class examination  | Level – 3 | 2 Years (2400 Hr.) | 2022 |
| 49 | Attendant Operator (Chemical Plant)   | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 50 | Instrument Mechanic (Chemical Plant)  | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 51 | Laboratory Assistant (Chemical Plant) | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 52 | Maintenance Mechanic (Chemical Plant) | Passed 10 <sup>th</sup> class examination with Science and                                | Level – 4 | 2 Years (2400 Hr.) | 2022 |



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|    |  |  |           |                    |      |
|----|--|--|-----------|--------------------|------|
|    |  | Mathematics or its equivalent.   |           |                    |      |
| 53 | <b>Mechanic Motor Vehicle</b>                                      | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent               | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 54 | <b>Architectural Draughtsman</b>                                   | Passed 10 <sup>th</sup> Class examination under 10+2 system of Education with science and mathematics. | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 55 | <b>Central Air Condition Plant Mechanic</b>                        | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.              | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 56 | <b>Civil Engineering Assistant</b>                                 | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.              | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 57 | <b>Information and Communication Technology System Maintenance</b> | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent.              | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 58 | <b>Information Technology</b>                                      | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.              | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 59 | <b>Lift and Escalator Mechanic</b>                                 | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.              | Level - 4 | 2 Years (2400 Hr.) | 2022 |

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|    |  |   |           |                    |      |
|----|--|---|-----------|--------------------|------|
| 60 | <b>Mason (Building Constructor)</b>      | Passed 8 <sup>th</sup> class examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 61 | <b>Mechanic Lens/ Prism Grinding</b>     | Passed 10th class examination with Science and Mathematics or its equivalent.             | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 62 | <b>Mechanic Mining Machinery</b>         | Passed 10 <sup>th</sup> Class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 63 | <b>Plumber</b>                           | Passed 8 <sup>th</sup> class Examination  | Level – 3 | 1 Year (1200 Hr.)  | 2022 |
| 64 | <b>Rubber Technician</b>                 | Passed 10th class examination with Science and Mathematics or its equivalent.             | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 65 | <b>Spinning Technician</b>               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 66 | <b>Textile Wet Processing Technician</b> | Passed 10 <sup>th</sup> class examination with Science and Mathematics                    | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 67 | <b>Weaving Technician</b>                | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level – 4 | 2 Years (2400 Hr.) | 2022 |
| 68 | <b>Refractory Technician</b>             | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent. | Level - 4 | 2 Years (2400 Hr.) | 2022 |

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|    |   |  |           |                    |      |
|----|---|--|-----------|--------------------|------|
| 69 | Stone Processing Machine Operator               | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.  | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 70 | Stone Mining Machine Operator                   | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.  | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 71 | Textile Mechatronics                            | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.  | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 72 | Additive Manufacturing Technician (3D Printing) | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.  | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 73 | Aeronautical Structure and Equipment Fitter     | Passed 10 <sup>th</sup> Class examination with Science and Mathematics   | Level - 4 | 2 Years (2400 Hr.) | 2022 |
| 74 | In Plant Logistics Assistant                    | Passed 10 <sup>th</sup> class examination with Science and Mathematics or its equivalent.  | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 75 | Warehouse Technician                            | Passed 10 <sup>th</sup> class examination.   | Level - 3 | 1 Year (1200 Hr.)  | 2022 |
| 76 | Technician Electronics System Design & Repair   | a) 10 <sup>th</sup> Class Passed<br>b) Lateral Entry: Direct 2 <sup>nd</sup> Year admission for NTC Passed Out(Two Years Courses) In Electronics & Hardware Sector or IoT Group of | Level - 4 | 2 Years (2400 Hr.) | 2022 |

|    |   |   |         |                    |      |
|----|---|---|---------|--------------------|------|
| 77 | <b>Artisan Using Advanced Tool</b>                                  | trades.<br>Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X | Level-3 | One year(1200 Hr.) | 2022 |
| 78 | <b>Basic Designer and Virtual Verifier (Mechanical)</b>             | Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X            | Level-4 | Two Year(2400 Hr.) | 2022 |
| 79 | <b>**Industrial Robotics &amp; Digital Manufacturing Technician</b> | Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X            | Level-3 | One year(1200 Hr.) | 2022 |
| 80 | <b>Manufacturing Process Control and Automation</b>                 | Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X            | Level-3 | One year(1200 Hr.) | 2022 |
| 81 | <b>Advanced CNC Machining</b>                                       | Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X            | Level-4 | Two Year(2400 Hr.) | 2022 |
| 82 | <b>Mechanic Electric Vehicle</b>                                    | Class X Pass plus simultaneously enrolled for class XII through NIOS or Class XII pass or ITI plus class X            | Level-4 | Two Year(2400 Hr.) | 2022 |
| 83 | <b>Small Hydro Power Plant Technician</b>                           | Passed 10th class examination with Science and Mathematics or its equivalent  | Level-4 | Two Year(2400 Hr.) | 2022 |
| 84 | <b>Wind Plant</b>   | Passed 10th class   | Level-4 | Two Year(2400 Hr.) | 2022 |

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| Technician | examination with<br>Science and<br>Mathematics or its<br>equivalent | Hr.) |
|------------|---|------|
|------------|---|------|

List for Divyang Trades : 05

| Sl. No. | Name of the Trade                           | Entry Qualification   | NSQF Level | Duration           | Year Revision |
|---------|---|---|------------|--------------------|---------------|
| 1       | Computer Operator and Programming Assistant | Passed 10 <sup>th</sup> class examination(Candidate should be Visually impaired)                                      | Level - 3  | 1 Year (1200 Hr.)  | 2022          |
| 2       | Cutting and Sewing                          | Passed 8 <sup>th</sup> class examination (Candidate should be of visually impaired)                                   | Level - 3  | 1 Year (1200 Hr.)  | 2022          |
| 3       | Desktop Publishing Operator                 | Passed 10 <sup>th</sup> class examination or its equivalent. (Candidate should be of low Vision)                      | Level - 3  | 1 Year (1200 Hr.)  | 2022          |
| 4       | Hair and Skin Care                          | Passed 10 <sup>th</sup> class examination (Candidate should be of visually impaired)                                  | Level - 3  | 1 Year (1200 Hr.)  | 2022          |
| 5       | Metal Cutting Attendant                     | Passed 10th class examination with Science and Mathematics or its equivalent (Candidate should be visually impaired). | Level - 3  | 2 Years (2400 Hr.) | 2022          |

## Annexure II

## List of 16 New Age courses under CTS

| S.No | Name of Trade   | Duration             | Engg. /Non Engg. | NSQF Level | Entry Qualification | Revised in year of NSQF Approval |
|------|---|----------------------|------------------|------------|---------------------|----------------------------------|
| 1.   | Computer Hardware & Network Maintenance                 | One year (1200 Hr.)  | Non Engineering  | Level 3    | Passed Class        | 10 <sup>th</sup> 2022            |
| 2.   | Computer Operator and Programming Assistant (COPA)      | One year (1200 Hr.)  | Non Engineering  | Level 3    | Passed Class        | 10 <sup>th</sup> 2022            |
| 3.   | Electronics Mechanic                                    | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 4.   | Information Communication Technology System Maintenance | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 5.   | Information Technology                                  | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 6.   | Instrument Mechanic                                     | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 7.   | Mechanic Consumer Electronic Appliances                 | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 8.   | Technician Power Electronic Systems                     | Two year (2400 Hrs.) | Engineering      | Level 4    | Passed Class        | 10 <sup>th</sup> 2022            |
| 9.   | Internet of Things (Smart Agriculture)                  | One year (1200 Hr.)  | Non Engineering  | Level 3    | Passed class        | 10 <sup>th</sup> 2022            |
| 10.  | Internet of Things (Smart Healthcare)                   | One year (1200 Hr.)  | Non Engineering  | Level 3    | Passed class        | 10 <sup>th</sup> 2022            |
| 11.  | Internet of Things (Smart City)                         | One year (1200 Hr.)  | Non Engineering  | Level 3    | Passed class        | 10 <sup>th</sup> 2022            |

|     |   |                          |                    |         |   |      |
|-----|---|--------------------------|--------------------|---------|---|------|
| 12. | Smartphone Technician<br>Cum App Tester | 6 month                  | Non<br>Engineering | Level 3 | Passed 10 <sup>th</sup><br>Class  | 2022 |
| 13. | Electrician Power<br>Distribution       | Two year<br>( 2400 Hrs.) | Engineering        | Level 4 | Passed 10 <sup>th</sup><br>class.   | 2022 |
| 14. | Technician Mechatronics                 | Two year<br>( 2400 Hrs.) | Engineering        | Level 4 | Passed 10 <sup>th</sup><br>Class  | 2022 |
| 15. | Solar Technician<br>(Electrical)        | One year<br>(1200 Hr.)   | Engineering        | Level 3 | Passed 10 <sup>th</sup><br>class  | 2022 |
| 16. | Mechanic Electric Vehicle               | Two year<br>( 2400 Hrs.) | Engineering        | Level 4 | Class X Pass<br>plus<br>simultaneousl<br>y enrolled for<br>class XII<br>through NIOS<br>or Class XII<br>pass or ITI<br>plus class X | 2022 |

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