



Government of Telangana
Department of Employment and Training
(Training wing)

TENDER DOCUMENT
For
Transforming 50 Government ITIs in Telangana as Advanced
Technology Centres for introducing skilling courses in NCVT approved
Industry 4.0 trades.

Open Tender No. 4114/2024 Dated: 02/02/2024

Last Date of Receipt of Tender: 15/02/2024, 05.00 pm

OFFICE OF THE COMMISSIONER EMPLOYMENT AND TRAINING,
GOVT ITI MALLEPALLY CAMPUS,
MALLEPALLY, HYDERABAD- 500057.
TELANGANA

TEL:040-23221705

[E-mail id : cettelangana@gmail.com](mailto:cettelangana@gmail.com)

GOVERNMENT OF TELANGANA
DEPARTMENT OF EMPLOYMENT AND TRAINING
(Training wing)

GOVT ITI MALLEPALLY CAMPUS, MALLEPALLY, HYDERABAD- 500057.

NOTICE INVITING TENDER

Ref.No.: CDCell/4114/2024

Dt:02/02/2024

eTenders are invited from Indian companies for creation of infrastructure for the project **"Transforming 50 Government ITIs in Telangana as advanced technology Centers for introducing skilling courses in NCVT approved Industry 4.0 trades"** along with continuous industrial support for hiring & training of trainers and maintenance of the complete infrastructure for a minimum period of 5 years in 50 Government Industrial Training Institutes functioning across the state.

The details of Machineries, Equipment, Tools, Software, Hardware and Service to be procured along with specifications for each ITI are mentioned in enclosures. The tender documents shall be downloaded from <https://tender.telangana.go.in> and submit their bids online on e-procurement platform <https://eprocurement.telangana.gov.in>, by following due procedure given therein. Offline bids are not entertained.

| | | |
|---|-----------------------------|---|
| 1 | Tender inviting authority | Commissioner Employment and Training O/o The Commissioner Employment and Training, GOVT ITI MALLEPALLY CAMPUS, MALLEPALLY, HYDERABAD- 500057 |
| 2 | EMD | Rs.2 Crore Bank Guarantee in favour of, "The Junior Accounts Officer, O/o The Commissioner Employment and Training, Hyderabad - 57" payable at Hyderabad valid for 180 days |
| 3 | Tender document | The tender document can be downloaded online https://tender.telangana.gov.in before 15/02/2024 before 11 AM |
| 4 | Conditions | As stipulated in this document |
| 5 | Bid Start date | 06/02/2024 11:30 AM |
| 6 | Last date for filing of Bid | 15/02/2024 up to 5.00 PM |
| 7 | Pre-bid meeting | 05/02/2024 at 11.30 AM before the Joint Director, Employment and Training O/o The Commissioner Employment and Training, Govt. ITI Mallepally Campus, Mallepally, Hyderabad - 57 |
| 8 | Pre-Qualification Stage | 16/02/2024 12:00 PM |
| 9 | Commercial Stage | 16/02/2024 3.00 PM |

INVITATION FOR TENDERS

To address skill gaps and meet the requirements of industry 4.0, Government of Telangana intends to introduce skill training in NCVT approved new trades in Government ITIs for the benefit of the youth of Telangana. For this purpose, Department of Employment and Training has proposed to upgrade the infrastructure in 50 identified Government ITIs (as per annexure 8) and transform them into Advanced Technology Centres where the following NCVT approved new trades can be introduced.

| Sl.No | Name of the Course | Duration |
|-------|--|----------|
| 1. | Manufacturing Process Control and Automation | 1 Year |
| 2. | Industrial Robotics and Digital Manufacturing | 1 Year |
| 3. | Artisan Using Advanced Tool | 1 Year |
| 4. | Basic Designer and Virtual Verifier (Mechanical) | 2 Years |
| 5. | Advanced CNC Machining Technician | 2 Years |
| 6. | Mechanic Electric Vehicle | 2 Years |

In addition to the above NCVT approved long-term courses, the upgraded Centres will also be used to provide training in 23 NCVT approved short-term courses (as per annexure-12) such as Electric Vehicle Maintenance, Robotics, Automation, CAD/CAM, CNC Machining, Advance Plumbing and Additive Manufacturing. This will create skilled work force to meet emerging industrial requirements. Hence, this tender is being invited to create relevant workshop/lab infrastructure along with continuous industrial support for hiring & training of trainers and a minimum of 5 years of free maintenance for the complete set up. The state government will take the responsibility of providing the necessary physical infrastructure (Civil and Electrical).

The brief details of the project are as follows:

| Name of the Project | Location of ITI | Indicative Project Cost (Rs in Crore) | Operation & Maintenance Period | Capacity Building/ Training of all the ITI staffs & Students |
|---|--------------------|---------------------------------------|---|--|
| Transforming 50 Govt ITIs in Telangana as advanced technology Centers for introducing skilling courses in NCVT approved Industry 4.0 trades | 50 Government ITIs | 1770.00 (50x35.4=1770) | Minimum 5 years excluding implementation period of one year | 5 years after completion of implementation period (Training should be done for all trades) |

The Department will provide land and buildings with required electrical supply only. Other infrastructure such as Machinery, Tools & Equipment, Software and Hardware required for the above-mentioned project has to be provided by the successful bidder. The bidder can tap in to their Corporate Social Responsibility (CSR) funds or any funds reserved in their budget for creation of public infrastructure. The tender will be awarded to the

bidder who quotes least financial grant from the Government to complete this project. So tender is invited from the bidder to quote their least financial grant that is to be expected from the Government to complete this project.

e-Tenders are invited from reputed Indian entities for providing, installing and commissioning of new equipment, machinery, tools, hardware and software & setting up of Advanced Labs/Workshops in 50 government ITIs in the State of Telangana and along with industrial support for hiring & training of trainers and free maintenance for minimum of five years.

The Machineries, Equipments, Tools, Hardware, Software and Services to be rendered for establishing NCVT approved long term trades like Advanced CNC Machining Technician, Artisan Using Advanced Tool, Basic Designer and Virtual Verifier (Mechanical), Industrial Robotics & Digital Manufacturing Technician, Mechanic Electric Vehicle, Manufacturing Process Control & Automation are listed as one package and given in the tender documents along with the detailed specifications of each item (as per the BOM at Annexure 14).

Project Scope of Work

The scope of work specified in this tender is indicative as may be required for undertaking the Project.

❖ Role of the Successful Bidder

The successful bidder in consultation with the State Government Departments/Agencies shall carry out the following, but not limited to:

1. Provide, install, integrate and commission new equipment, machinery, hardware, software and technology tools and upgrade facilities in ITIs for introducing NCVT approved new courses (as per annexure 12).
2. Train ITI students with industrial experiential learning to improve employability among the employers
3. Developing relevant and up to date course content for newly introduced long-term and short-term courses including digital content for online training.
4. Support establishment & strengthening of training, counselling and placement cell (TCPC) with close engagement of local and global industry partners
5. Provide additional services in the form of maintenance of equipment, machinery, hardware and technology tools for a minimum of 5 years post set-up completion with no extra cost to the State Government.
6. Deploy a minimum of 2 trainers per ITI for the first 3 years and a minimum of 1 trainer per ITI for the next 3 years. Of these trainers, hire at least 50% trainers locally (Local areas) with proficiency in Telugu.
7. Facilitate hiring of trainers for imparting the new skilling courses in the Government ITIs
8. Conduct training at 3 nodal training centres for Principals and faculty members of each ITI for the upgraded tools, machinery, hardware, software and curriculum in phased manner for a period of 5 years from the date of commissioning the equipment.
9. Conduct Trainers Training in HUB and SPOKES pattern through VSAT studio at 3 nodal centres for a period 5 years from date of commissioning the equipment.

10. Set up 3 Centres of Excellence in identified ITIs for imparting training of trainers, support local innovation and facilitate continuous technology upgradation.
11. Provide technical support to all ITIs after upgradation and during the term of the agreement through conference call / in person visit / video enabled Teleconferencing.
12. Procure all BOM (as at annexure 14) in the name of ITI.

13. All Training programs shall meet NCVT Affiliation norms specified at the link https://dgt.gov.in/sites/default/files/NCVT_Affiliation_norms_ITIs.pdf

❖ **Role of CET:**

Department of Employment and Training will essentially play the role of the enabler for the execution of the said project. Key responsibilities of the Department will include:

1. Facilitate and ensure the acquisition of all necessary Government sanctions and permissions required for this project. Detailing of civil and allied infrastructure requirements for each of the ITI.
2. Facilitate the execution of works at their respective locations by giving necessary timely inputs, information and advice to design teams and project implementation teams.
3. Make available a minimum of 10,000 square feet of space for development of prefabricated structure in identified ITIs. The structural work can be carried out by the state govt. through its own agency.
4. Provide built-up space and necessary infrastructure viz. furniture, power supply for each machine, network connection, network switches, plumbing connection if any, necessary flooring repair (PCC, RCC, epoxy coating) to suit heavy machinery, air-conditioning, access controls etc. for setup of additional workshops and training facilities.
5. Department of Employment and Training shall ensure that the sites shall be ready with necessary infrastructure as per the timelines to enable the successful bidder to start the upgradation of ITI. Department of Employment and Training will also facilitate successful bidder in monitoring of this project and connecting to industry clusters. Give access to and make available all records, data and information that may be required for execution of this project.
6. Instruct and direct each ITI to play the role of host and ensure to make available all local resources as may be required from time to time to support the timely execution of the project.
7. Establish a Governing council comprising of Government officials, successful bidder and partner industries experts for the term of this MoA and any extended period, as applicable, to monitor the results of the program and course corrections, if any to the project from time to time. This committee shall meet

quarterly.

8. Establish an executive committee at the state and district level to take care of day to day activities for effective implementation of various deliverables in a time bound manner.
9. The principal of respective ITIs shall take delivery, acceptance and possession of and keep in safe custody all BOM including the equipment, software, printed information and consumables for all machinery to ensure uninterrupted operations.

PROCEDURE FOR SUBMISSION OF TENDER

1. The tender should be submitted in 2 parts online <https://tender.telangna.gov.in>

PART-A: **PreQualifications Stage** (containing Annexure 1 to 13)

PART-B: **Commercial stage** (containing Annexure 9)

Transforming 50 Government ITIs in Telangana as Advanced Technology centres for introducing skilling courses in NCVT approved Industry 4.0 trades.

2. Each bidder should submit an Earnest Money Deposit of **Rs 2,00,00,000/-** (Two Crore) and EMD shall be submitted in the form of Bank Guarantee issued by a scheduled bank valid for 180 days in favour of, "The Junior Accounts Officer, O/o The Commissioner Employment and Training, Hyderabad - 57" payable at Hyderabad with the covering letter to be uploaded online platform.
3. At first, the technical bid at PQ stage (PART A) will be opened and evaluated based on the Pre-qualification criteria given in table in Sl. No.6. Only the qualified bids will be considered for Commercial stage (PART B).

4. Pre Qualifications for the Bidders (Eligibility Criteria)

| Sl. No | Eligibility Criteria | Mandatory Documents to be Submitted. |
|--------|--|---|
| 1. | Bidder should be a company registered under companies Act 1956 or 2013 | Certificate of incorporation. |
| 2. | Earnest Money Deposit of Rs.2,00,00,000/- (Two Crore). | In the form of Bank Guarantee in favour of, "The Junior Accounts Officer, O/o The Commissioner Employment and Training, Hyderabad - 57" payable at Hyderabad valid for 180 days |

| | | |
|----|--|--|
| 3 | The bidder should be a company engaged in manufacturing of industrial machinery / equipment or an engineering service provider (ESP) in the field for a period of at least five years. ESP: An engineering services provider is a company which undertakes activities such as Software, advance digital manufacturing, embedded, mechanical and process engineering functions that involves design, development, testing and management of products both hardware and software. | Necessary proof documents to be uploaded |
| 4. | The bidder should have registered office in India | Necessary documents to be uploaded |
| 5. | Average annual turnover of the company for the last 3 years (2020 - 2021) (2021-2022) and (2022-2023) should not be less than Rs. 1,000 Crore (Rupees One Thousand Crore) | Annual turnover audit report for the above 3 years (2020-2021, 2021-2022 & 2022-2023) should be uploaded. |
| 6. | Bidder should not be currently black listed by any of the State or Central Government or Organizations of the State or Central Government as on date of submission of tender. | Necessary undertaking letter should be uploaded by a company. |
| 7. | The bidder should have experience in upgrading atleast 50 Government ITIs in the last 3 years in other states. Upgradation means supply of Industrial Machinery/ Equipment, Integration of software (wherever required) and successfully commencing training following NCVT norms. | Work order given to the bidder by any State Government/ Union Territory regarding upgradation of Government ITIs in the state and proof for having supplied the equipment and integrated the software. (Wherever required) |
| 8. | The bidder should have minimum 500 permanent employees on their pay roll as on 31/3/2023. | Certificate from the HR, Manager of the company. |

- Bidders are expected to complete the project as per the time line mentioned in **Annexure 11** of the tender document.
- Bidders should supply only new item / new machine / new equipment / lifetime licensed software of latest version with free perpetual in nature.
- Suppliers of second hand machinery need not apply.

5. THE TENDER, WHICH DOES NOT SATISFY THE ABOVE PREQUALIFICATION, WILL BE SUMMARILY REJECTED. Pre-bid meeting will be held on 5/02/2024 at 11.30 AM at the Conference Hall, Office of the Commissioner Employment and Training, Govt ITI Mallepally Campus, Hyderabad-500057.

6. The tenders will be opened by the Scrutiny Committee or by an officer of this Department authorized by the Committee on its behalf at the time and date specified.
7. All tenders should be uploaded in the format prescribed at Annexures as well. The Bid start shall be dt. 06/02/2024 11:30 AM.
8. **The price quoted in the tender shall be in Indian Rupees and valid for 6 months from opening of tenders.**
9. The Earnest Money Deposited by the bidder is liable to be forfeited by this Department to Government if the bidder withdraws his tender after acceptance of tender (or) if the bidder does not pay the performance security deposit and does not execute the agreement within the specified date.
10. Technical and Commercial tenders filed will be opened in the presence of bidder's authorized representative who wish to attend (any person who represent more than one bidder will not be allowed in the tender opening) at **12.00 P.M. & 3:00 P.M. respectively on the 16/02/2024** in the Office of the Commissioner Employment and Training.
11. Detailed tender documents can be downloaded at free of cost from the web-sites www.iti.telangana.gov.in or <https://tender.telangana.gov.in>
12. For any query, please contact the following address during office hours on any working day: -
Joint director, O/o Commissioner Employment and Training
Tender inviting Authority,
Department of Employment and Training, Telangana,
Govt ITI Malleshwaram campus, Malleshwaram Hyderabad -500057.(Ph. 040-23221705)

INSTRUCTIONS TO BIDDERS

A. INTRODUCTION

e-tenders are invited under two stage system from reputed Indian firms for **Transforming 50 Government ITIs in Telangana as Advanced Technology Centres for introducing skilling courses in NCVT approved Industry 4.0 trades**. Tenders should be filed online <https://tender.telangana.gov.in>

1. Eligibility Criteria for Bidding:

Bidder should be a registered Indian Company under Companies Act 1956 or 2013.

Bidder should have adequate technical experience, infrastructure facilities and manpower

Bidder should have adequate financial standing and proven track record.

1.1 Technical Experience:

In support of evidence of the experience, the bidder shall furnish the following information along with this tender as per Annexure-2.

Certified photostat copies of the relevant pages from the work order of the ITIs for whom he has rendered/rendering the upgradation work and proof for having supplied the equipment and integrated the software (wherever required).

The bidder should produce documents to prove his experience in manufacturing Industrial Machinery/Equipment or an Engineering Service provider for 5 years.

1.2 Financial Capacity

The bidder will also be evaluated for financial capacity on the following basis and he shall furnish the following information as required in Annexure-3

- i) Performance
- ii) Annual turnover

One Tender Per Bidder

Each bidder shall submit only one tender at once. In case, a bidder submits more than one tender for the same both the tenders will be disqualified.

Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of this tender and the **Commissioner** of Employment and Training will in no case be responsible (or) liable for these costs.

B. TENDER DOCUMENTS

2. Contents of Tender Document

The tender document is for the project '**Transforming 50 Government ITIs in Telangana as Advanced Technology Centres for introducing skilling courses in NCVT approved Industry 4.0 trades**'.

PART A - Technical bid envelope (Please see 11.7 for details)

PART B - Price bid envelope (Please see 11.8 for details)

The Bidder is particularly requested to check all specifications shown in the tender documents and obtain his own information on all matters which may in any way affect this tender, as no claim for extras for any alleged ignorance in respect thereof shall be pertained.

Notwithstanding the specification and drawing of tender document, the bidder is responsible for successful completion and satisfactory performance. Any omission in specification and drawing and sketches shall not permit the bidder for additional payments. The tender price should be inclusive of such additional items required for successful completion and satisfactory performance.

3. Clarification of Bidding Documents

A prospective Bidder requiring any clarification of the Bidding documents may notify the tender inviting authority in writing or by e-mail at the mailing address indicated in the invitation of tenders. The Tender Inviting Authority will respond in writing to any request for clarification of the Bidding documents, which it received not later than 10 days prior to the deadline for submission of tender prescribed by the scrutiny committee.

4. Amendment of Bidding Documents

4.1 At any time 48 hours prior to the deadline for submission of tenders, the Tender Inviting Authority may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by an amendment.

4.2 The amendment will be notified on the website of the Department of Employment and Training and would be sent to those who have received the bidding documents from CET by email and will be binding on them.

The Tender Inviting Authority may, at their discretion, extend the deadline for the submission of tenders. Bidders shall ensure to comply with any corrigendum released before the submission of tender.

C. PREPARATION OF TENDER

5. Tender Price and Requirements (Quoting Rates)

5.1 Bidders are required to quote the price for the items and fill in the blanks in the technical schedules legibly and properly. Crossing out, rewriting, signing and dating shall be avoided.

5.2 Price quoted should exclude the GST on purchases.

5.3 The Goods Service Tax (GST) shall be separately indicated in the schedule of prices by the bidders.

5.4 Further the quoted price shall be inclusive of packing, forwarding, freight, insurance, loading, unloading, and storage, movements at site, installation & Commissioning charges (including any other requirements to complete installation, commissioning and running of the machine/equipment, training and maintenance of project lab for a prescribed period) etc. should be complete in all respects.

5.5 If any of the above is mentioned as 'Extra', the tender will be summarily rejected. The bidder shall fill up and sign the letter of tender (Annexure 4) and all schedules etc. which are included in the tender documents.

5.6 The rates quoted in the tender are valid for the period of 6 months.

5.7 The rates should be F.O.R. Destination.

5.8 The rates should not be altered (or) over written. The rates quoted shall always be both in figures and in words.

6. Technical and Material specification

6.1 Bidder shall submit their tenders in accordance with the specification of the tender documents. Whenever the machinery and equipment offered do not confirm to the specifications detailed in the schedule, full particulars of the deviation must be specifically furnished.

6.2 Bidder should clearly mention the brand, type, model & name and the address of the manufacturer of the Machinery and equipment quoted.

6.3 The tenders shall be accompanied by all particulars asked in the schedule including original catalogue, outline dimension, drawings and all the essential technical literature for the items offered.

6.4 The bidder should enclose relevant individual catalogue containing the technical specification for the item quoted. If common catalogue/technical specification are given, highlight or underline or tick only the item by indicating the Serial number of item in the tender. Balance or irrelevant details may be stroked out.

7. Tender Validity

Tenders shall remain valid for a period of **180 days** from the due date of submission of the tender.

In exceptional circumstances prior to expiry of the original time limit the Commissioner Employment and Training (CET) may request the bidder to extend the period of validity for a specified additional period. The request and the Bidders responses shall be made in writing or by fax. A bidder may refuse the request without forfeiting his Earnest Money Deposit. A bidder agreeing to the request will not be permitted to modify his tender. However, he shall extend the validity of the Earnest Money Deposit for the period of the extension.

8. Earnest Money Deposit

Each bidder should pay an EMD amount as mentioned in the tender document by Irrevocable Bank guarantee issued by a Scheduled Bank valid for 180 days drawn in favour of Junior Accounts Officer, Office of the Commissioner Employment and Training, Govt ITI Mallepally campus, Mallepally, Hyderabad-57. **If the amount of EMD is less than the indicated value such tender would be summarily rejected.**

No cash or cheque will be received towards E.M.D.

The Earnest Money Deposit for the bidders will be arranged to be refunded within 2 months after finalizing the successful bidder and signing the concessionaire agreement.

The EMD may be forfeited if

The Bidder withdraws his tender after acceptance of his tender by this Department.

The prices quoted by the bidders will be checked by the tender Inviting Authority for any arithmetic errors. (Discrepancy between the figures and words, a discrepancy in the total shall be corrected) If the bidder does not accept the correction of tender price, the tender will be rejected and the EMD will be forfeited.

In case of a successful bidder, the bidder fails within the stipulated time limit to furnish the required performance security deposit (or) signed contract agreement.

9. Signing of the Tender

The tender shall be digitally signed by a person or persons duly authorized to sign on behalf of the Bidder. The person (or) persons signing the tenders shall sign all pages of the tender where entries (or) amendments have been made. The bidder shall enclose a certificate copy of the power of attorney authorizing the signatory (or) signatories to sign the tender document. This certification shall be from the Managing Director (or) the Legal Manager of the firm.

D. PROCEDURES FOR SUBMISSION OF TENDER

10. Due Date for Tender Submission

10.1 e-Tender bids shall be filed between **dt.6/02/2024 11:30 and dt.15/02/2024 5:00 PM**

10.2 The tender Inviting Authority may extend the due date for submission of tender by issuing an amendment in which case all the rights and obligations of the tender Inviting Authority and the bidders previously subject to the original due date for submission will then be subject to the new date for submission, as extended.

11. Procedures for Submission of Tenders

11.1 Bidders are advised to go through the tender documents in full detail and understand all the provisions and stipulated condition therein before submitting the tender.

11.2 The tender must be filed online <https://tender.telangana.gov.in> as per clause 10. Tender submitted by telex, cable or e-mail would not be accepted and will be summarily rejected.

The Technical Bid shall contain the documents as per Annexure 1 - 13

The Technical bid shall **NOT** contain the following:

Schedule of price of the tender document constituting the tender prices.

Any indication either direct or indirect on implicit or explicit (or) implied regarding the tender prices (or) it's break up details (or) any other related price indication etc. shall become the cause for outright disqualification of the entire tender.

The Financial bid shall contain the following:

Tender price as in Annexure 14 of the tender document with each page duly signed, dated, stamped with the seal of the firm. In the tender price schedule Terms and conditions F.O.R. destination, Delivery period, Validity, Payment terms & Warranty etc., to be mentioned clearly.

Apart from the schedule of prices duly filled in, Bidder shall not enclose any other documents (or) statements that will influence the price.

12. Late Tenders

Any tenders received after the due date and time as per clause 10 of the instructions to bidders will not be considered.

E. TENDER OPENING AND EVALUATION:

13. Tender Opening

13.1 The Scrutiny Committee / The Tender Inviting Authority or authorized officer by him will open the tenders in the presence of the bidders or their authorized representatives at the conference hall, O/o the Commissioner Employment and Training (CET), Govt ITI Mallepally campus, Mallepally Hyderabad -500057 on **16/02/2024 @12.00 p.m. (PQ Stage) and 3:00 p.m. (Commercial Stage).**

13.2 In the event of the specified date of tender opening being declared a holiday, the tenders will be opened at the same time on the next working day.

On opening the tender, the scrutiny Committee/ the Tender Inviting Authority or authorized officer will read out the details as per the check list of each bidder. No other details will be read out or disclosed.

14. Process to be Confidential

Information relating to the examination, clarification, evaluation and comparison of tenders and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any efforts by a bidder to influence the **Commissionerate** in the process of tenders or award decisions may result in the rejection of his tender.

15. Procedures for Tender Evaluation

Tenders shall be evaluated as per the provisions made in the Andhra Pradesh Financial code APFC article 125 adopted by Telangana Govt.

After opening the tenders, authorized tender scrutiny committee will evaluate whether the bidder has fulfilled all the conditions as stipulated under clause 11 of the instructions to bidders viz. the EMD, the various appendices required to be submitted with the tender, and other documents as called for bidders who have not submitted the documents as per clause 11 will be disqualified.

15.1 The authorized tender scrutiny committee will now proceed with the evaluation of those tenders which have not been rejected.

15.2 Tender scrutiny Committee after detailed evaluation, will determine whether the tender is substantially responsive or not. A responsive tender is one which confirms to all the terms, conditions, and specifications of the tender documents

without material deviation or reservation. A material deviation or reservation is one which affects in any substantial way of the scope, quality, or performance of the products, which in a substantial way is inconsistent with the tender Documents, the tender accepting authority's rights or the Bidder's obligations under the contract, Or Whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive tenders.

15.3 For detailed evaluation, a 'Technical evaluation team' will be formed.

❖ The Technical evaluation team will evaluate all the parameters in the technical tender.

Detailed evaluation includes evaluation of material evidence such as manufacturer's original catalogue, technical details, dimensioned drawings, test certificate, authorization letter from the manufacturer and all the essential technical literature.

The tenders shall be disqualified in the detailed evaluation for the reasons mentioned below;

- i. The tenders which do not have the required material evidence (manufacturer's original catalogue, details of original software license, drawings etc.,) shall be disqualified.
- ii. The tenders which do not fulfil the specifications laid down in the tender schedule and not submitting the Schedule of technical information as per Annexure 6 shall be disqualified.
- iii. The bidder should quote only one model without option for each item of equipment / machine. The tender which has more than one model for each item shall be disqualified.
- iv. The bidder who fails to demonstrate the quoted items successfully for its performance while evaluating by the technical team that item shall be disqualified.

15.3.1 To assist the examination, evaluation and comparison of tenders, the tender Inviting Authority or the accepting authority, may at his discretion, ask any bidder for clarification on his tender. The request for clarification and the response shall be in writing or by E-mail but no change in the substance of the tender shall be sought, offered, or permitted.

15.3.2 When a tender fails to be responsive, it will be rejected by the tender accepting authority and may not subsequently be made responsive by correction or withdrawal of the non-confirming deviation or reservation.

The authorized tender scrutiny committee will then proceed with opening of Part-B, i.e., "Financial Bid" of those bidders whose technical bid under Part-A has

been accepted. The opening of the "Financial Bid" will be done in the presence of those bidders or their representatives who choose to be present.

15.3.3 On the date of the Financial Bid opening, the authorized tender scrutiny committee will read out the price of the tender as quoted by them.

16. Correction of Error

16.1 The prices quoted by the bidders will be checked by the tender scrutiny Committee / Joint Director, Employment and Training for any arithmetic errors. Errors will be corrected as follows:

- a. Where there is discrepancy between figures and words in the schedule of price, the price given in words shall govern.
- b. The discrepancy in the total shall be corrected by considering the prices quoted by the bidder for the individual items in words which shall govern.

16.2 The amount stated in the tender price will be corrected by the Commissionerate in accordance with the above procedure for the correction of errors and with a concurrence of the bidder, shall be considered as binding upon the bidder. If the bidder does not accept the corrected amount the tender will be rejected and the EMD will be forfeited in accordance with the **clause 8** of the instruction to the bidders.

17. Evaluation of Tender Prices

Bidders whose quotes lowest financial grant expected from the government for completion of the project will be considered as L1 and will be called for Negotiation.

17.1 Negotiation for further reduction in price will be carried out.

17.2 In evaluating the tender price, the Department will determine the evaluated tender price by adjusting the tender price by making corrections for pursuant to clause 16 above.

17.3 If the bidders are both from the state of Telangana and outside the state of Telangana Goods & Service Tax (GST) paid or payable on components and raw materials incorporated or to be incorporated on the machinery & equipment's shall be excluded for the evaluation of price. In those cases, the comparison shall be based on the ex-factory/ex-warehouse price of machinery /equipment's.

17.4 If the bidders either from the state of Telangana and outside the state of Telangana fails to furnish the breakup details of taxes and duties paid or payable on components and raw materials incorporated or to be incorporated on the machinery & equipment's, such bidder will not be considered.

F. AWARD OF TENDER

18. Award of Tender

18.1 The scrutiny Committee / Department of Employment and Training (DET) has the right to accept any tender and to reject any or all tenders or Schedules without assigning any reason.

18.2 Not with standing anything that is said herein, the tender accepting authority reserves the right to accept or reject any tender/schedules and to cancel the bidding process and reject all tenders/schedules, at any time prior to the award of tender, without there by incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders on the grounds for the authorized tender scrutiny committee's action.

19. Notification of Award

19.1 The bidder whose tender has been accepted will be notified for the award by the Department of Employment and Training (DET), in writing by letter.

19.2 Upon furnishing by the successful bidder, the performance Security Deposit and upon signing the agreement the Department of Employment and Training will promptly notify the other bidders that their tenders have been unsuccessful and will arrange to return their EMD.

20. Performance Security Deposit

20.1 The Successful bidder will be required to furnish **performance Guarantee of five percent (5%) of the financial grant quoted** within 15 working days from the date of receipt of the communication intimating the acceptance of tender. This deposit should be in the form of

- a) Demand Draft or
- b) Banker's Cheque or
- c) Irrevocable Bank Guarantee issued by a scheduled bank.

If the accepted bidder fails to remit the security deposit within the above said period, the Earnest Money paid by him will be forfeited to the Department of Employment and Training, Government of Telangana and his tender will become null and void.

20.2 No interest will be paid by this Department on the Performance Security Deposit mentioned Clause 20.1 above.

20.3 The successful bidder will be required to produce all original certificates after the acceptance of the tender for reference or return. Failure to produce original certificates entails cancelling of offer.

20.4 The validity of the Performance guarantee Deposits should be 45 days beyond warranty period from the date of installation / commissioning. The Performance guarantee will be returned after completion of one year from the date of Installation / Commissioning.

21. Signing in the Agreement

21.1 The successful bidder will be required to execute a memorandum of agreement on an on-judicial stamp paper to the value of Rs. 100/- embodying the terms and conditions to the tender within 15 working days from the date of receipt of intimation of the acceptance of the tender.

21.2 If the agreement mentioned in clause above is not executed in the prescribed period, the Earnest Money Deposit and Performance Security Deposit of the bidder are liable to be forfeited to Government.

21.3 If the successful bidder fails to execute the agreement within the stipulated period of 15 working days from the date of receipt of communication of this office, accepting the rates approved, he will also be liable for all damages arising there for such default including the cost of conducting fresh Tender and increase in rates if any, in subsequent agreement and shall compensate for all losses sustained to Government in this regard.

22. Conditions of Supply

22.1 Adducing reasons like break down of machinery in factories, power cut if any enforced by the Electricity Board, strikes, non-availability of containers of required size and quantity for not accepting orders when placed for delays if any in actual supplies, will not be entertained. Non-fulfilment of the contract on the above grounds will result in forfeiture of a part or whole of performance security deposit amount as may be decided by the Department of Employment and Training (DET) besides debarring the supplying firm to enter any subsequent period.

22.2 Failure on the part of the bidder to execute the orders in time and entailing the department / agencies to resort to the purchase of any particular material from other sources at higher prices than the contract will also be subject to recovery of the difference in cost of the bidder.

22.3 The final specification of all the products shall be as per the decision of the scrutiny committee.

22.4 The rates should be quoted with reference to the specifications as mentioned in the tender schedule.

22.5 If a firm fails to supply the item approved, the firm will be debarred from participating in the subsequent contract at the discretion of the Department of Employment and Training (DET).

22.6 If any time during the warranty period item supplied are found to be not in accordance with the specifications, the condition imposed in the agreement will be enforced.

In the event of non-compliance of the tender condition by the bidders, the

Department of Employment and Training (DET) reserves the right to reallocate or revise the item already approved at the time during the tender period and cannot be questioned by anybody.

23. Delivery and Acceptance of Upgradation:

23.1 The bidder should schedule the delivery of BoM at respective ITIs within one month period post the Government hand over the building (as per the bidder submitted requirement). Once the BOM is delivered at respective ITIs bidder to integrate, install, and commission the entire BOM within 30 working days.

23.2 The bidder should arrange to unpack the delivered items if dispatched through courier/ parcel service, for correctness of consignment received at stores at the user end within 3 working days for necessary installation and commissioning. Any delay in the above process claimed by the supplier will not be entertained

Upon Upgradation of each ITI, the Principal of that ITI shall review the Upgraded ITI to verify.

23.3 Within 15 working days of communication from vendor on completion of the Upgradation of each ITI, the Principal shall give its acceptance.

23.4 In case of any defects observed in Upgradation process, the same should be rectified by the vendor as per the Checklist provided.

23.5 If no defects are observed within 15 working days of delivery of the said Upgraded ITI, the same shall be considered as unconditionally accepted by the principal.

23.6 The invoices should be raised by bidder on the respective ITI immediately upon acceptance of each Upgraded ITI. For avoidance of doubt and during the acceptance process (as mentioned herein above), if the principal at the respective ITI is unavailable, the acceptance shall be signed off by the available Department of Employment and Training representative at such ITI.

24. Warranty

24.1 The Supplier warrants that the Machinery/equipments supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that the Machinery/equipments supplied under the Contract shall have no defect rising from design, materials, or workmanship (except insofar as the design or material is required by the DET specifications or from any act or omission of the Supplier that may develop under normal use of the supplied Machinery / equipment's in the conditions prevailing in the country off in all destination.

24.2 This warranty shall remain valid for 2 years for machinery after the machinery/equipment's or any portion there of as the case may be, have been commissioned at the destination indicated in the Contract / Agreement.

The DET shall promptly notify the Supplier in writing of any claims arising under this warranty.

24.3 Upon receipt of such notice, the successful bidder shall with all reasonable speed, repair or replace the defective Machines or parts thereof, free of cost at the ultimate destination. The successful Bidder shall take over the replaced parts/ machines at the time of their replacement. No claim what so ever shall lie on the DET is for the replaced parts/machines thereafter.

24.4 If the Supplier having been notified fails to rectify the defect(s) within a reasonable period, the DET may proceed to take such remedial action as may be necessary at the Supplier's risk and expense and without prejudice to any other rights which the DET may have against the Supplier under the Contract.

25. General:

25.1 The bidder should be reputed Indian company having adequate experience in upgradation of ITI to industry 4.0 standards

The tender accepting authority, DET has the right to consider the reputation of the bidder.

25.2 The tenders without adequate technical and material specifications are liable for rejection.

25.3 Necessary inspection / test / safety certificate/ License should be provided along with supply of stores for heavy Machines and equipment.

25.4 All the equipment/machines listed in the enclosed schedules are new items. Bidders should not quote for old or used items.

25.5 All the equipment / machines listed in the enclosed schedule are meant for training and industrial purpose. Hence, all the quoted items should be durable and suitable to withstand wear and tear due to rough handling by the learners. All the software should be commercial in nature.

25.6 All the quoted machines / equipment should include the standard accessories. Other additional accessories and optional accessories should be listed separately in the tender along with the relevant machines/equipment.

26. Delays in the Supplier's Performance:

26.1 Delivery of Machinery/ equipment and performance of the services shall be made by the Supplier in accordance with the time schedule specified by the scrutiny Committee/ DET in its Schedule of requirements.

26.2 Any unexcused delay by the Supplier in the performance of its delivery obligations shall render the supplier liable to any or all of the following sanctions; forfeiture of its performance security, imposition of liquidated damages, and/or termination of the Contract for default.

26.3 If at any time during the performance of the Contract, the Supplier or its sub-

Contractor(s) should encounter conditions impeding timely delivery of the Machinery/ equipment and performance or Services the Supplier shall promptly notify the Purchase Committee/ DET in writing of the fact of the delay, its likely duration, and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchase Committee shall evaluate the situation and may at its discretion extend the Supplier's time for performance in which case the extension shall be ratified by the parties by amendment of the Contract.

27. Liquidated Damages:

27.1 For Delays

If the bidder fails to deliver or supply within the period of delivery indicated in the contract awarded, penalty of 0.5% of total cost of the item per week would be levied subject to a maximum of four weeks. It means the bidder shall have the liability of delayed supply to the maximum of four weeks after expiry of scheduled delivery date. After that the purchase order will be cancelled and EMD and SD will be forfeited, and bidder will be debarred for participation in any future tender of this department.

27.2 For short fall in equipment performance:

The Supplier will be asked to take back the machinery/ equipments supplied by them, if it is not meeting the guaranteed performance/ Productivity of equipment during actual testing as detailed in technical specification and they have to refund the amount received so far to Purchase Committee.

28. Termination for Default:

28.1 The DET may without prejudice to any other remedy for breach of Contract by written notice of default sent to the Supplier, terminate the Contract in whole or in part:

If the supplier fails to deliver any or all of the Machinery/equipment's within the time period(s) specified in the Contract or any extension thereof granted by the Purchase Committee pursuant to Clause (26); or

If the Supplier fail stopper form any other obligation(s) under the Contract.

28.3 In the event the DET terminates the Contract in whole or in part, pursuant to clause above, the Purchase Committee may procure, upon such terms and in such manner, as it deems appropriate Machinery/ equipments similar to those undelivered and the Supplier shall be liable to the purchase Committee/ DET for any excess costs for such similar Machinery/ equipments. However, the Supplier shall continue performance of the Contract to the extent not terminated.

29. Force Majeure

29.1 Notwithstanding the provisions of Clauses 26, 27 & 28 the Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination

for default if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force- Majeure.

For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include but are not restricted to acts of the purchase Committee/DET either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargo

29.2 If a force-Majeure situation arises, the supplier shall promptly notify the DET in writing of such conditions and the cause thereof within seven days from the date of happenings of such events. Unless otherwise directed by the DET in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

30. Termination for Insolvency

The DET may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the DET.

31. Termination for Convenience

The DET may by written notice sent to the Supplier, terminate the Contract, in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for the DET convenience, the extent to which performance of work under the Contract is terminated and the date upon which such termination becomes effective. The Machinery/ equipments that are complete and ready for shipment within 60/30 days after the Supplier's receipt of notice of termination shall be purchased by the DET at the Contract terms and prices. For the remaining Machinery/ equipments, the DET may select.

- a) To have any portion completed and delivered at the Contract terms and prices; and /or
- b) To cancel the remainder and pay to the Supplier an agreed amount for partially completed machinery/ equipments and for materials and parts previously procured by the Supplier against delivery of such partially completed parts and material parts previously procured.

32. Resolution of Disputes

32.1 The DET and the supplier shall make every effort to resolve amicably direct informal negotiation any disagreement or dispute arising between them under as in connection with the Contract.

32.2 If, after thirty (30) days from the commencement of such informal negotiations, and the supplier have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in this clause. The mechanisms may include but are not restricted to conciliation mediated by third party adjudication in an agreed national or international forum and/ or international arbitration.

32.3 Clause of arbitration:

Any dispute or difference whatsoever arising between the parties out of or relating to the conclusion, meaning scope, operation or effect of this contract or break thereof shall be settled by arbitration in accordance to the Indian Arbitration Action force and the award made in pursuance thereof shall be binding on the parties

The venue of Arbitration shall be Hyderabad, Telangana, India.

32.4 Clause of jurisdiction:

The law of Union of India shall govern all matters relating to proposed purchase of machinery. Only Courts at Hyderabad shall have the jurisdiction to decide or adjudicate on any matter, which may arise.

33. Governing Language:

The contract shall be written in the language of the tender, as specified by the scrutiny committee in the instructions to Bidder subject to Clause 34, that language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the contract, which are exchanged by the parties, shall be written in that same language.

34. Applicable Law:

The contract shall be interpreted in accordance with the Laws of India.

ANNEXURE – 1

Bidder's Data

| Tender Ref. No. | |
|------------------------|--|
| 1 | Name of the company : _____ |
| 2 | Registered Office Address Door No, Street Name : _____ Area/Locality : _____ Place : _____ : _____ Pin code : _____ Tel. No with STD code : _____ Mail ID : _____ |
| 3 | Works/Factory Address Door No, Street Name : _____ Area/Locality : _____ Place : _____ : _____ Pin code : _____ Tel. No with STD code : _____ Mail ID : _____ |
| 4 | Names of the Directors / CEO : _____ Contact Number : _____ Mail ID : _____ |
| 5 | Name of the authorized person to : _____ Contact regarding this bid : _____ Contact Number : _____ Mail ID : _____ |
| 6 | Address and Mail ID for : _____ Communication (Tender : _____ opening/price Bid opening etc.,) : _____ : _____ |

Authorised signatory with seal

ANNEXURE - 2

Previous experience of the bidder in upgradation of ITI's

1. Details of project executed:
 - a. Name of the State Government/union territory for which the project was executed:
 - b. No. of ITI's upgraded in the State Government / Union territory
2. Details of upgradation project carried out (Please enclose relevant documents like work orders for proof)
 1. Project ref.No and date:
 2. Capital cost of the project:
 3. Scope of work:
 4. Commencement date of project & Completion date of project

Signature of the bidder

ANNEXURE - 3

Financial Capacity - (1-4)

Name of the firm

1. Address of the Registered Office :
2. Address for communication
3. Annual turnover in Rupees(for)
2020-2021
2021-2022
2022-2023
4. Average net worth
5. PAN Copy :
6. GST Certificate Copy :
7. Certificate of Incorporation :

Signature of person authorized

Date:

Name and Designation:

Attachments:

Audited annual reports with financial statements for the 5 years Preceding financial years-i.e., 2018-19, 2019-20, 2020-21, 2021-22, 2022-23.

ANNEXURE - 4
Letter of Bidder

To
The Joint Director, Employment and Training
(DET), Govt ITI Mallepally Campus, Mallepally,
Hyderabad - 500057

**Transforming 50 Government ITIs in Telangana as Technology Centres for
introducing skilling courses in NCVT approved Industry 4.0 trades.**

I/We, the undersigned do hereby tender and undertake to perform, provide, execute all the works, materials, matters and things described or intimated in the various schedules here to annexed and the specifications there to (which have been produced to and carefully examined by us) in strict accordance with and under and subject to the terms, provisions and conditions set forth or mentioned in the said schedules, specification at the rates given and as stated in the price schedule.

I/We herewith enclose Bank guarrantly Nodate (Name of Bank).....in favour of the **Junior Accounts Officer**, office of the Commissioner Employment and Training, Govt ITI Mallepally Campus, Mallepally, Hyderabad – 500057 towards EMD for Rs (Rs.....)as a guarantee for the, due fulfillment of our tender and if successful undertake and agree to forward to the Department of Employment and Training(DET) withinafter the notification of the acceptance by the purchase committee/Department of Employment and Training(CET) of this tender has been received by us, the security Deposit is demanded in the form and manner required as security for due fulfillment of our contract.

I/We undertake and agree that we will not withdraw this tender during the period that will be required for intimation of acceptance as stipulated in clause 7 of the instructions of Bidders such period to date from the last date by which tenders are due to be submitted to the purchase committee/Department of Employment and Training (DET)we do so withdraw, we shall forfeit the Earnest Money deposit to the Department of Employment and Training (CET)

We further undertake to produce the Income-Tax Assessment Orders/Returns filed and the GST returns filed in originals and agree to execute at our cost the Agreement attached within 15 the days after the notification of the acceptance of our tender has been received by us. In the event of our failing to make the **security deposit** or to execute the Agreement in the said manner the sum of Rs..... (.....) (Value of challan) accompanying this tender shall be forfeited to the Department of Employment and Training (DET) and this concluded Contract shall in such case be considered, as having been cancelled or terminated and we agree to be

liable irrespective of the forfeiture afore said for all damages, losses, costs, charges, and expenses arising from or by reason of such failure and arrangements.

As witness our hand thisday of.....of 2024

Name and address:

Signature

ANNEXURE - 5

**LETTER CONFIRMING AGREEMENT WITH TECHNICAL AND COMMERCIAL TERMS
AND CONDITIONS OF THE TENDER**

To
The Joint Director, Employment and Training
(DET), Govt ITI Mallepally Campus, Mallepally
Hyderabad 500057.

Sir,

Subject: Transforming 50 Government ITIs in Telangana as
Advanced Technology centres for introducing skilling
courses in NCVT approved Industry 4.0 trades, as per
.....schedule.

We have submitted our tender ref.....dated..... online for the
supply, Installation, and commissioning of Machineries / Equipment as per the
specifications and terms and conditions of the tender document.

We confirm that our tender is in conformity with the technical and commercial
terms and conditions as stipulated in the tender document and without any deviations
whatsoever. We are aware that our tender is liable for disqualification in the event
technical and commercial deviations are observed by purchase committee/the
Department of Employment and Training (DET) later during the process of evaluation of
our tender.

Thanking you and assuring you of our best services always,

Very truly, yours, Name of the Bidder.

Signature and Name of the
Authorized signatory.

ANNEXURE - 6**Schedule of Technical Information**

Name of work: Transforming 50 Government ITIs in Telangana as Advanced Technology Centres for introducing skilling courses in NCVT approved Industry 4.0 trades.

Tender Ref: Name of the Schedule:

| Item Sl. No | Description of Item as per Schedule of Work | Name of Item & Full Technical Specification | Make /Model | Total Qty to be Supplied per ITI | Consignee Address Govt. I.T.Is. |
|-------------------|--|--|----------------|--|---------------------------------------|
| 1 | Supply, installation, and commissioning of machineries/ equipments and technology tools software and hardware as per the Annexure 14 (without mentioning price) within the timeline as per annexure 11 | | | | As per Annexure 8 |
| 2 | Provide 2 trainers (one trainer should have proficiency in local language) for each ITI for a period of first three years and one trainer for the next 3 years. | | | | As per Annexure 8 |
| 3 | Conducting trainers Training in a scheduled manner as per requirement mutual discussion and the nodal centres (Hyderabad, Warangal and Khammam) in physical mode continuously for a period of 5 Years. | | | | Hyderabad, Warangal and Khammam |
| 4 | Providing 3 V-SAT studio HUB centres at | | | | Mahabubnagar Warangal |

| | | | | | |
|---|--|--|--|--|-------------------|
| | Mahabubnagar, Warangal, Nalgonda and spokes centres at 50 ITIs to facilitate online training to the trainers. | | | | Khammam |
| 5 | Providing Continuous technical support and Maintenance for all installed Equipment, machineries, hardware and software for period from the date of installation and commissioning. | | | | As per Annexure 8 |

(Note: This format may be used in landscape orientation and adjust column width suitably)

**** The Item Sl. No. should be strictly as per the item serial Number mentioned in the schedules in the tender)**

NOTE:

1. Standard accessories be supplied at free of cost along with the unit are to be specified.
2. Necessary material evidence such as manufacturer's original catalogue/ dimensioned drawings etc., should be enclosed for each item.
3. The bidder should enclose relevant individual catalogue containing the technical specification for the item quoted in particular. If common catalogue/technical specification are given, highlight, underline, or tick only the particular item by indicating the Serial number of Item in the tender. Balance or irrelevant details may be stroked out.
4. The catalogue should not be a manipulated one to items called in the tender

Name of the bidder:

Authorized signature:

Designation:

Date:

| ANNEXURE – 7 Check List to be Filled by the Bidder (The document should be stacked in the order of the documents described in this check list) | | | | |
|--|---|---------|-----|----|
| Sl.No | Description | Page No | Yes | No |
| 1 | A Bank guarantee in favour of Junior Accounts Officer, O/o Commissioner of Employment of Training payable at Hyderabad towards the Earnest Money Deposit | | | |
| 2 | Bidder's Data Annexure – 1 | | | |
| 3 | Previous experience of the bidder as per Annexure -2 | | | |
| 4 | Annual Turnover statement for the last three Accounting years Viz, 2020-21, 2021-22 and 2022-23 (Annexure – 3) | | | |
| 5 | Letter of the Bidder as per Annexure-4 | | | |
| 6 | Form of letter confirming agreement with Technical and Commercial Terms and Conditions of the tender as per Annexure - 5 | | | |
| 7 | Schedule of Technical information as per Annexure –6 | | | |
| 8 | List of Govt. ITI's Annexure – 8 | | | |
| 9 | Certificate from the management for bidder have minimum 500 permanent employees. Annexure – 9 | | | |
| 10 | Bank ECS Mandate form (Dully filled), (If EMD submitted in the form of Demand Draft (Annexure - 10) | | | |
| 11 | Time line Annexure – 11 | | | |
| 12 | List of courses Annexure – 12 | | | |
| 13 | Self-Declaration Certificate of "Currently Not Black Listed by any State or Central Government' Annexure – 13 | | | |
| 14 | Schedule of Price as per Annexure – 14 (Price Bid -Separate cover) | | | |
| 15 | Authorization letter nominating a responsible Officer of the Organizations to Participate in the tender | | | |
| 16 | Audit report (for the proof of annual turnover for the last three Accounting years Viz, 2020-21, 2021-22 and 2022-23) | | | |
| 17 | Income Tax return Acknowledgement copies for the last five Accounting years Viz, 2018-2019, 2019- 2020, 2020-2021, 2021- 22 and 2022-23) | | | |
| 18 | Previous work order related to upgradation of ITIs given by any other state/union Territory | | | |
| 19 | Photo copies of the registration certificates under the GST and PAN. | | | |
| 20 | Copies of the Latest Assessment orders under the Goods and Service Tax | | | |
| 21 | All covers (Outer cover, Technical Bid Part A & Price Bid Part B Properly sealed and properly super scribed with Address, tender No, Schedule, Due Date etc., | | | |
| 22 | Tender conditions in original duly signed in each page affixing seal of the company agreeing to abide by the various Terms and Conditions of the Telangana tender Transparency Rules. | | | |
| 23 | Certification of incorporation | | | |
| 24 | Documents proof for manufacturing of industrial machinery/ equipments or ESP for a period of at least 5 years | | | |
| 25 | Document proof for the bidder have registered office in India | | | |

ANNEXURE - 8**List of Government ITI proposed for Upgradation**

| Sl.No. | Name of the Govt. I.T.I | Name of the District in which the ITI Located |
|---------------|--------------------------------|--|
| 1 | Mallepally | HYDERABAD |
| 2 | Old City | HYDERABAD |
| 3 | Musheerabad | HYDERABAD |
| 4 | Shanthinagar | HYDERABAD |
| 5 | Sanathnagar | HYDERABAD |
| 6 | Vijaya Nagar Colony | HYDERABAD |
| 7 | Tandur | VIKARABAD |
| 8 | Marpally | VIKARABAD |
| 9 | Alwal | MEDCHAL MALKAJGIRI |
| 10 | Medchal | MEDCHAL MALKAJGIRI |
| 11 | Adilabad | ADILABAD |
| 12 | Utnoor | ADILABAD |
| 13 | Kothagudem | BHADRADRI KOTHAGUDEM |
| 14 | Bhadrachalam | BHADRADRI KOTHAGUDEM |
| 15 | Manuguru | BHADRADRI KOTHAGUDEM |
| 16 | Gadwal | JOGULAMBA GADWAL |
| 17 | Bichkunda | KAMAREDDY |
| 18 | Karimnagar | KARIMNAGAR |
| 19 | Khammam | KHAMMAM |
| 20 | Mahabubnagar | MAHABUBNAGAR |
| 21 | Mahabubnagar (G) | MAHABUBNAGAR |
| 22 | Mancherial | MANCHERIAL |
| 23 | Mandamarri | MANCHERIAL |
| 24 | Eturnagaram | MULUGU |
| 25 | Wazeedu | MULUGU |
| 26 | Mannanur | NAGARKURNOOL |
| 27 | Kalwakurthy | NAGARKURNOOL |
| 28 | Nalgonda (B) | NALGONDA |
| 29 | Nalgonda (G) | NALGONDA |
| 30 | Anumula | NALGONDA |
| 31 | Dindi | NALGONDA |
| 32 | Nizamabad (B) | NIZAMABAD |
| 33 | Nizamabad (G) | NIZAMABAD |
| 34 | Bhupalpally | JAYASHANKER BHUPALPALLY |
| 35 | Kammarpally | NIZAMABAD |

| | | |
|----|---------------|---------------------|
| 36 | Bodhan | NIZAMABAD |
| 37 | Ramagundam | PEDDAPALLI |
| 38 | Peddapalli | PEDDAPALLI |
| 39 | Sircilla | RAJANNA SIRCILLA |
| 40 | Sangareddy | SANGAREDDY |
| 41 | Patancheru | SANGAREDDY |
| 42 | Hathnoora | SANGAREDDY |
| 43 | Siddipet | SIDDIPET |
| 44 | Kukunoorpally | SIDDIPET |
| 45 | Wanaparthi | WANAPARTHY |
| 46 | Kazipet | WARANGAL URBAN |
| 47 | Warangal | WARANGAL URBAN |
| 48 | Hanamkonda | WARANGAL URBAN |
| 49 | Bhongir | YADADRI BHUVANAGIRI |
| 50 | Aler | YADADRI BHUVANAGIRI |

ANNEXURE – 9

Certificate for Employees Strength

1 Name of the company and Address :

**2 No of Permanent Employees on payroll
as on 31.03.2023 :**

| Sl.No | Name of Plant | Category of Permanent Employees | | |
|-------------|---------------|---------------------------------|--------------------------------|-------|
| | | No. of Technical Employees | No. of Non-Technical Employees | Total |
| | | | | |
| Grand Total | | | | |

Certificate

I hereby Certified that in our Company _____no of Permanent Employees are working as on 31.03.2023

**HR Head
(Signature and Seal)**

ANNEXURE – 10

Electronic Clearing Service (Credit Clearing) Mandate Form Payment through RBI Electronic NEFT/RTGS Systems

We hereby give our mandate to credit in our Bank Account through the NEFT/RTGS the payment due to us. The details of the Bank Account are given below :

1. Beneficiary Name (in Block Letters) :
2. Beneficiary Address :
3. Bank Name & Address :
4. Bank Branch Name :
5. Account No (as appearing on the cheque book) :
6. Beneficiary Branch IFSC Code (For NEFT) :
7. Beneficiary Branch IFSC Code (For RTGS) :
{If same as NEFT, then pls mention the
NEFT IFSC Code only}
8. Account Type :
(SB Account/Current A/c or Cash Credit)
9. MICR Code :
10. E-Mail ID :
11. Contact No :
12. Contact Person :

Please attach a photocopy of a cheque leaf or a blank cancelled cheque issued by your Bank relating to your above account for verifying the accuracy of the code numbers.

DECLARATION

1. We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not carried out because of incomplete or incorrect data/information, we will not hold Department of Employment & Training (DET) responsible.

2. DET reserves the right to make the payment to this account towards all the dues for PAN India locations / Specific circle locations.....

Place: _____

Date: _____

Authorized Signature & stamp of the beneficiary

bankers Certification

We certify that..... has an Account No ----- with us and we confirm that the details given are correct as per our records.

Date:

Place:

**Seal of the bank with Signature
of the branch manager**

ANNEXURE - 11 Timelines

| Sl. No. | Activities | End Date | Responsibility |
|---------|---|--|---|
| 1. | MoA signing between Bidder and Joint Director of Employment and Training, Government of Telangana | Within 15 days from the date of receipt of intimation of the acceptance of the Tender. | Commissioner of Employment and Training, Government of Telangana and successful bidder. |
| 2. | Centre handed over to Bidder for technology upgrade of ITI post all the necessary civil infrastructure changes done as spelt by the Bidder. | Within 09 months of MOA | Government of Telangana and individual ITI. ITI centres, which will get ready Infrastructure, will be handed over progressively to the successful bidder for the technology upgradation. |
| 3. | Delivery of BOM in 50 ITIs | Within one month, post-handover of individual ITI. | By the successful bidder. |
| 4. | Integration of machinery, equipment, hardware and software | Within 30 days | Successful bidder |
| 5. | Acceptance by individual ITI | 15 days | Principal, ITI |

ANNEXURE – 12**List of Long-Term Courses to be conducted**

| Sl.No | Name of the Course | Duration |
|--------------|--|-----------------|
| 1. | Manufacturing Process Control and Automation | 1 Year |
| 2. | Industrial Robotics and Digital Manufacturing | 1 Year |
| 3. | Artisan Using Advanced Tool | 1 Year |
| 4. | Mechanic Electric Vehicle | 2 Years |
| 5. | Basic Designer and Virtual Verifier (Mechanical) | 2 Years |
| 6. | Advanced CNC Machining Technician | 2 Years |

List of Short-Term Courses to be conducted

| Sl.No. | Name of the Course | Duration |
|---------------|---|-----------------|
| 1 | Innovation and Design Thinking | 3 Months |
| 2 | Fundamentals of Product Design | 3 Months |
| 3 | Product Design & Development | 3 Months |
| 4 | Auto Electrical Design & Development | 3 Months |
| 5 | Product Verification and Analysis | 3 Months |
| 6 | Computer Aided Manufacturing | 3 Months |
| 7 | Advanced Computer Aided Manufacturing | 3 Months |
| 8 | Process Control & Automation | 3 Months |
| 9 | Fundamentals of Automobile Engineering | 3 Months |
| 10 | Advanced Automobile Engineering | 3 Months |
| 11 | Automobile Maintenance, Repair and Overhaul | 3 Months |
| 12 | Auto Electrical Maintenance | 3 Months |
| 13 | Electrical Vehicle | 3 Months |
| 14 | Internet of Things | 3 Months |
| 15 | Advance Machining (Mill) | 3 Months |
| 16 | Advance Machining (CNC Lathe) | 3 Months |
| 17 | Advance Machining (Rotary 4th Axis Mill) | 3 Months |
| 18 | Advanced Additive Manufacturing | 3 Months |
| 19 | Advanced Welding | 3 Months |
| 20 | Advanced Painting Technology | 3 Months |
| 21 | Industrial Robotics I | 3 Months |
| 22 | Industrial Robotics II | 3 Months |
| 23 | Advanced Plumbing | 3 Months |

ANNEXURE – 13

SELF DECLARATION CERTIFICATE

"I/We _____, _____,
(Firm Name) (Address)
_____,
declare that I/We are not blacklisted by any Central Government, State Government or any
other Public Sector Undertaking during last ten years all over India."

Authorised Signature with Seal

Annexure- 14: Detailed Bill of Material Per Each ITI

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| 1 | Discovery Simulation Static Structural Analysis Modal Analysis Topology Optimization Steady State Flow Transient Flow Incompressible Flow Steady State Thermal Transient Thermal Conduction Convection Thermal Stress Concept Modeling or Detail Design Part/Assembly Creation or Import Large Assembly Importing 2-D Drawings, BOM, Exploded Views Geometric Parameterization Sheet Metal Design Repair & Defeature Tools Sheet Metal Editing and Unfolding Import, Repair, Edit Faceted Data Shelling and Infills Thickness Detection Auto surface of Scanned Data Build Solid/Surfaces on Scanned Data | | 20 | 50 | | | | |

| | | | | | | | | | |
|---|--|--|----|----|--|--|--|--|--|
| 2 | Mechanical Pro GEOMETRIC IDEALIZATION Spring Mass Spar Beam Pipe/Elbow Shell - Thin Shell - Thick (Solid Shell) Layered Shell - Thick (Solid Shell) (Composite) 2D Plane / Axisymmetric 3D Solids Infinite Domain | | 10 | 50 | | | | | |
|---|--|--|----|----|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | <p>MODELING</p> <p>CAPABILITIES</p> <p>Contact -</p> <p>Linear Contact</p> <p>- Nonlinear</p> <p>Joints</p> <p>Spot Welds</p> <p>MATERIALS</p> <p>Basic Linear Materials (Linear, Anisotropic, Temperature Dependent)</p> <p>Basic Nonlinear Materials (Hyper, Plasticity, Rate Independent, Isotropic, Concrete)</p> <p>STRUCTURAL</p> <p>SOLVER</p> <p>CAPABILITIES</p> <p>Linear Static</p> <p>Nonlinear</p> <p>Static Pre-Stress Effects,</p> <p>Linear</p> <p>Perturbation</p> <p>Nonlinear</p> <p>Geometry</p> <p>Buckling - Linear</p> <p>Eigenvalue</p> <p>Buckling -</p> <p>Nonlinear Post</p> <p>Buckling</p> <p>Behaviour</p> <p>TOPOLOGY</p> <p>OPTIMIZATION</p> <p>Structural</p> <p>Optimization</p> <p>Modal</p> <p>Optimization</p> <p>Thermal Loads</p> <p>Inertial Loads</p> <p>Optimized</p> <p>Design</p> | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Validation Manufacturing Constraints Stress constraints Symmetry MULTI ANALYSIS Sub modeling Data Mapping VIBRATIONS Modal Modal - Pre- Stressed DURABILITY Stress-Life (SN) | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|-------------|------------------|---|
|--------------|------------------------|---|---|---|---|-------------|------------------|---|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Strain-Life (EN) Safety Factor | | | | | | | | |
| THERMAL Steady State Thermal Transient Thermal Conduction Convection Radiation to Space Radiation - Surface to Surface Phase Change Thermal Analysis of Layered Shells and Solids | | | | | | | | |
| ADDITIO NAL PHYSICS 1-D Thermal-Flow | | | | | | | | |
| OPTIMIZATION Design Xplorer Included Parameters Design Point Studies Correlation Analysis Design of Experiments Sensitivity Analysis Goal Driven Optimization Six Sigma Analysis | | | | | | | | |
| MISCELLANE OUS AND USABILITY Support ACT Extensions Command Snippet Support Batch run capability CDB and 3rd party FEModel Import Bulk File Export | | | | | | | | |
| HPC - STRUCTURES Parallel Solving on Local PC Parallel Solving on Cluster | | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 3 | Design ASD ASSEMBLY DESIGN 2 Product CC1 CADAM INTERFACE 1 Product CO1 OBJECT MANAGER 1 Product COM OBJECT MANAGER 2 Product E5I Plug-In Product GDR GENERATIVE DRAFTING 2 Product GS1 GENERATIVE SHAPE DESIGN 1 Product ID1 INTERACTIVE DRAFTING 1 Product IG1 IGES INTERFACE 1 Product KE1 KNOWLEDGE EXPERT 1 Product LO0 2D LAYOUT BROWSER 1 Product PDG PART DESIGN 2 Product RT1 REAL TIME RENDERING 1 Product V4I V4 INTEGRATION 2 Product | | 24 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GS T In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|--------------------|------------------|---------------------------------------|
|--------------|------------------------|---|---|---|---|--------------------|------------------|---------------------------------------|

| | | | | | | | | |
|---|---|--|---|----|--|--|--|--|
| 4 | CCS Design/Engineering Creative Designer H264 Wrapper 3D Templates Capture Component Family Definition Engineering IP Control Drafting Template Essentials Free Style Shape Analysis Sketch Tracer Drafting Generative Wireframe & Surface Converter for IGES Human Design Imagine & Shape Quality Rules Reuse Engineering Templates Reuse Natural Assembly 2D Layout for 3D Design Live Rendering Natural Shape Simulation Software Material Definition Natural Sketch Photo to Shape Rendering Scene Design Converter for STEP 3D Printing Product Structure Design Weight Analysis Creative New Design User experience enabler TP3D MasterDesigner enabler TP Visual experience Content Collection enabler TP Missing native Role assignment for the user on the license server (Client side) Virtual to Real Product Optimization enabler TP Product | | 1 | 50 | | | | |
|---|---|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | experience Presenter enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDM Part Supply integration for 3D experience Information Enabler TP - Content Role Converter for ICEM Surf Converter for 3DEXCITE Ambience Studio CSV - Collaborative Industry Innovator Extended | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 5 | Manufacturing/Production Ergonomics Specialist Product Structure Design Ergonomics Evaluation Manufacturing Context Builder Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDM Part Supply | | 1 | 50 | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | integration for 3D experience Information Enabler TP - Content Role Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GS TIn % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------------|------------------|--|
|--------------|------------------------|---|---|---|---|----------------|------------------|--|

| | | | | | | | | |
|---|--|--|---|----|--|--|--|--|
| 6 | Design/Engineering Electrical 3D Systems Designer 3D Templates Capture Assembly Design Component Family Definition Engineering IP Control Drafting Template Essentials Electrical 3D Design Electrical 3D Part Design Engineering Specification Capture & Reuse Functional Part Design Drafting Generative Electrical 3D Design Generative Wireframe & Surface Hanger Design Converter for IGES Quality Rules Reuse Mechanical Systems Design Engineering Templates Reuse Natural Assembly 3D Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Part Design Essentials Electrical Raceway 3D Design Electrical Raceway 3D Part Design Bent Part Design Space Usage Space Referential Converter for STEP Smart Mechanical Components 3D | | 1 | 50 | | | | |
|---|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Printing Product Structure Design Weight Analysis - IDW - ODW - HDW enabler Electrical Manufacturing Preparation enabler TP3D Master Designer enabler Mechanical Detailed Design Engineering enabler Mechanism Design | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|--|-------------------------------------|----------------|------------------|--|
|--------------|------------------------|---|---|--|-------------------------------------|----------------|------------------|--|

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Engineering enabler Tubing Designer enabler Space Usage enabler TPSTEP Persistence Designer enabler Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On- The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Feature Specialization Engineering Adapter for X- PDM Part Supply integration for | | | | | | | | |
|---|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | 3D experience Converter for CSV - Collaborative Industry Innovator Extended Manufacturing/P roduction Work Safety Engineer Product Structure Design Ergonomics | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | at Work Manufacturing Context Builder Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On- The-GoData Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder | | | | | | | |

| Item S.No | Description of It | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| 7 | Converter for STEP PDM System Finder Engineering Adapterfor X-PDM Part Supply integration for 3D experience Information Enabler TP - Content Role Converter for CSV - Collaborative Industry Innovator Extended | | 1 | 50 | | | | |

| Item S. No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|------------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| 8 | Design/Engineering | | | | | | | |
| | Fasteners | | | | | | | |
| | Designer3D | | | | | | | |
| | Templates | | | | | | | |
| | Capture | | | | | | | |
| | Assembly | | | | | | | |
| | Design | | | | | | | |
| | Component | | | | | | | |
| | Family | | 1 | 50 | | | | |
| | Definition | | | | | | | |
| | Drafting | | | | | | | |
| | Template | | | | | | | |
| | Essentials | | | | | | | |
| | Functional Part Design | | | | | | | |
| | Fastening | | | | | | | |
| | Drafting | | | | | | | |
| | Generative Wireframe & Surface Converter for IGES Quality Rules Reuse Mechanical Systems Design Engineering Templates Reuse Natural Assembly 3D | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Part Design Essentials Bent Part Design Converter for STEP Smart Mechanical Components 3D Printing Product Structure Design Weight Analysis 3D Master Designer enabler TP Mechanical Detailed Design Engineering enabler TP Mechanism Design Engineering enabler TP STEP Persistence Designer enabler TP Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDM Part Supply integration for 3D experience Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|

| | | | | | | | | |
|---|--|--|---|----|--|--|--|--|
| 9 | Simulation Durability and Mechanics Engineer H264 Wrapper Assembly Design Converter for IGES Quality Rules Reuse Engineering Templates Reuse Simulation Software Material Definition Simulation Model Preparation Converter for STEP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The- Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X- PDMXPDM Import Export Part Supply integration for 3D experience | | | | | | | |
| | | | 1 | 50 | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Durability Performance Converter for 3DPlay Simulation experience Enabler Simulation Software Durability Performance Scenario Simulation Software Station | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Adapter Executors Simulation Software Station Launcher Simulation Software Station Administration Simulation Software Foundation Exchange Simulation Software Simulation Job Monitor Simulation Software Materials Calibration Simulation Software Structural Model Creation Simulation Software Mechanical Scenario Creation Simulation Software Model Assembly Design Simulation Software Parametric Design Study Simulation Software Physics Methods Reuse Simulation Software Physics Results Explorer Credits and Tokens Information Structural Mechanics Engineer CSV - Collaborative Industry Innovator Extended | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|

| | | | | | | | | |
|----|--|---|----|--|--|--|--|--|
| 10 | Design/Engineer ring Fluid 3D Systems Designer 3D Templates Capture Assembly Design Component Family Definition Engineering IP Control Drafting Template Essentials Engineering Specification Capture & Reuse Functional Part Design Drafting Generative Wireframe & Surface Hanger Design HVAC 3D Design HVAC 3D Part Design Converter for IGES Quality Rules Reuse Mechanical Systems Design Engineering Templates Reuse Natural Assembly 3D Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Part Design Essentials Piping & Tubing 3D Design Piping & Tubing 3D Part Design Generative Fluid 3D Design Bent Part Design Space Usage Space Referential Converter for STEP Smart Mechanical Components 3D Printing Product Structure Design | | | | | | | |
| | | 1 | 50 | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Weight Analysis SDW - IDW - ODW - HDW enabler Electrical Designer enabler TP3DMaster Designer enabler Mechanical Detailed Design Engineering enabler Mechanism Design | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Engineering enabler Electrical 3D Raceway Design enabler Space Usage enabler TPSTEP Persistence Designer enabler Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Adapter for X-PDM Part Supply integration for 3D experience Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 11 | Simulation Fluid Dynamics Engineer Assembly Design Converter for IGES Quality Rules Reuse Engineering Templates Reuse Simulation Software Material Definition Simulation Model Preparation Converter for STEP Simulation Geometry Modeler Enabler Missing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDMXPDM Import Export Part Supply integration for 3D experience Converter for 3DPlay Simulation experience Enabler | 1 | | | | | | |

| | | | | | | | | |
|--|---------------------|--|--|--|--|--|--|--|
| | Simulation Software | | | | | | | |
|--|---------------------|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Station Adapter Executors Simulation Software Station Launcher Simulation Software Station Administration Simulation Software Foundation Exchange Simulation Software Fluid Model Creation Simulation Software Fluid Scenario Creation Simulation Software Simulation Job Monitor Simulation Software Parametric Design Study Simulation Software Physics Methods Reuse Simulation Software Physics Results Explorer Credits and Tokens Information CSV - Collaborati ve Industry Innovator Extended Assembly Design Converter for IGES Quality Rules Reuse Engineering Templates Reuse Simulation Software Material Definition Simulation Model Preparation Converter for STEP Simulation Geometry Modeler Enabler Missing native Role assignment | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | <div>for the user on the license server (Client side) Volume</div> <div>Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for</div> | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDMXPDM Import Export Part Supply integration for 3D experience Converter for 3DPlay Simulation experience Enabler Simulation Software Station Adapter Executors Simulation Software Station Launcher Simulation Software Station Administration Simulation Software Foundation Exchange Simulation Software Fluid Model Creation Simulation Software Fluid Scenario Creation Simulation | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Software Simulation Job Monitor Simulation Software Parametric Design Study Simulation Software Physics Methods Reuse Simulation Software Physics Results Explorer Credits and Tokens Information CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|

| | | | | | | | | |
|----|---|--|---|----|--|--|--|--|
| 12 | <p>Design/Engineering Function Driven Generative Designer</p> <p>3D Templates Capture Assembly Design Drafting Template Essentials Functional Generative Design Drafting Generative Wireframe</p> <p>&Surface</p> <p>Converter for IGES Imagine & Shape Quality Rules Reuse Engineering Templates Reuse 3D Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Part Design Essentials Converter for STEP 3D Printing Preparation Product Structure Design Weight Analysis Mechanical Detailed Design Engineering enabler TP Mechanism Design Engineering enabler TP Shape Designer enabler TPSTEP Persistence Designer enabler TP Missing native Role assignment for the user on the license server (Client side)</p> | | 1 | 50 | | | | |
|----|---|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Virtual to Real Product Optimization enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDMXPDM Import Export Part Supply integration for 3D experience Converter for 3D Play Simulation experience Enabler Simulation Software Station Adapter Executors Simulation Software Station Launcher Simulation Software Station Administration Simulation Software | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Foundation Exchange Functional Generative Design (TOSCA) Simulation Software Simulation Job Monitor Credits and Tokens Information CS V - Collaborative Industry Innovator Extended | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|
|--------------|------------------------|---|---|---|---|----------|------------------|-------------------------------------|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 13 | Design/Engineering Mechanical & Shape Engineer 3D Templates Capture Assembly Design Component Family Definition Engineering IP Control Generative Shape Develop Digitized Shape Preparation Drafting Template Essentials Functional Part Design Free Style Shape Analysis Free Style Shape Design 3D Tolerancing & Annotation Drafting Generative Shape Design Generative Shape Morphing Shape Healing Converter for IGES Human Design Quality Rules Reuse Mechanical Systems Design Mechanical Systems experience Engineering Templates Reuse Natural Assembly 3D Annotation experience 3D Annotation Insight for Desktop 2D Layout for 3D Design Natural Shape Simulation | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Software Material Definition Part Design Virtual to Real Shape Morphing Bent Part Design Sheet MetalDesign Mechanical Surface | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| <p>Refinement Converter for STEP Converter for STEP Multidiscipline Smart Mechanical Components 3D Printing Preparation Product Structure Design Weight Analysis Weld Design Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference</p> <p>Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-GoData Setup Product Finder Design Review for Desktop Structure Refinement for Desktop</p> | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X- PDM Part Supply integration for 3D experience 3D Master Designer Mechanical & Shape Designer Mechanism Simulation Designer Converter for ICEM | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Surf Converter for Simulation Software Static Study Shape Morphing Modeler Reverse Shape Optimizer CSV - Collaborative Industry Innovator Extended | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 14 | <p>Manufacturing/Production Assembly Simulation Engineer</p> <p>- Product Structure Design Assembly Evaluation Manufacturing Context BuilderMissing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-GoData Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder</p> <p>Converter for STEP PDM System Finder Engineering Adapterfor X-</p> | | 1 | 50 | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | PDM Part Supply integration for 3D experience Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|---------------------|--|
|--------------|------------------------|---|---|---|---|----------|---------------------|--|

| | | | | | | | | |
|----|---|--|----|----|--|--|--|--|
| 15 | Design/Engineering Mechanical Designer 3D Templates Capture Assembly Design Component Family Definition Engineering IP Control Drafting Template Essentials FunctionalPart Design Drafting Generative Wireframe & Surface Converter for IGES Quality Rules Reuse Mechanical Systems Design Engineering Templates Reuse Natural Assembly 3D Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Part Design Bent Part Design Sheet MetalDesign Converter for STEP Smart Mechanical Components 3D Printing Product Structure Design Weight Analysis Weld Design SDW - IDW - ODW - HDW enabler TPElectrical Designer enabler TPElectrical Manufacturing | | 20 | 50 | | | | |
|----|---|--|----|----|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Preparation enabler TP Free form Shape Design enabler TP3D Master Designer enabler TP Mechanism Design Engineering enabler TP | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Mould Designer enabler TP Tubing Designer enabler TP Electrical 3D Raceway Design enabler TP Shape Designer enabler TP STEP Persistence Designer enabler TP Missing native Role assignment for the user on the license server (Client side) Virtual to Real Product Optimization enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Refinement for Desktop Relations for Desktop SimulationFinder Converter for STEP PDM System Finder Engineering Adapter for X-PDM Part Supply integrationfor 3D experience Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|---------------------|---------------------------------------|
|--------------|------------------------|---|---|---|---|----------|---------------------|---------------------------------------|

| | | | | | | | | |
|----|---|---|----|--|--|--|--|--|
| 16 | Simulation Multidisciplin ary Optimization Engineer | | | | | | | |
| | Results Data Analyst Enabler TPMissing native Role assignment for the user on the license server (Client side) Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On- The-GoData Setup Simulation Software Process Composer Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapterfor X- PDMXPDM Import Export Part Supply integration for 3D experience Exchanges Management for | 1 | 50 | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Server Role Hi End Simulation Software based Roles Enabler Extension for Collaboration Converter for 3D Play Simulation experience Enabler Simulation Software | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Simulation Companion Simulation Software Performance Study Simulation Software Station Adapter Executors Simulation Software Station Launcher Simulation Software Station Administration Simulation Software Process experience Studio Simulation Software Foundation Exchange Simulation Process Administration Simulation Software Optimization Process Composer Simulation Software Process Composer Widget Simulation Software Results Analytics Credits and Tokens Information Simulation Software My Simulations Simulation Software Physics Simulation Review Simulation Software Performance Trade- off Collaborative Industry Innovator | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 17 | Design/Engineer ring Mold & Tooling Designer 3D Templates Capture Assembly Design Core & Cavity Separation Component Family Definition Engineering IP Control Drafting Template Essentials Functional Part Design Part Feature Recognition Drafting Generative Wireframe & Surface Shape Healing Converter for IGES Quality Rules Reuse Mechanical Systems Design Engineering Templates Reuse Natural Assembly 3D Annotation experience 2D Layout for 3D Design Natural Shape Simulation Software Material Definition Mold Tooling Design Part Design Converter for STEP Smart Mechanical Components 3D Printing Preparation Product Structure Design Weight Analysis SDW - IDW - ODW - HDW enabler TP Electrical Designer enabler TP Freeform Shape Design enabler TP3D MasterDesigner | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | enabler TP Mechanism Design Engineering enabler TP Tubing Designer enabler TP Shape Designer enabler TP STEP Persistence Designer enabler TP Missing native Role assignment for the user on the license server (Client side) Virtual to Real | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Product Optimization enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X-PDM Part Supply integration for 3D experience Information Enabler TP - Content Role Converter for Simulation Software Plastic Part Filling CSV - | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Collaborative Industry Innovator Extended | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|
|--------------|------------------------|---|---|--|-------------------------------------|----------|------------------|---|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 18 | <p>Manufacturing/ production NC Milling Machine Programmer</p> <p>- Product Structure Design Multi-axis Machining Manufacturing Context Builder Prismatic Machining Wire EDM Machining Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On- The-Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X- PDM Part Supply integration for 3D experience Information Enabler TP - Content Role NC Multi-Axis</p> | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Milling Programmer NC Prismatic Machine Programmer Converter for CSV - Collaborative Industry Innovator Extended | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 19 | 3D experience Open Customization and Specialization Administrator Know-how Apps Resources Industry Specific Enabler for Data Conversion Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Structure Refinement for Desktop Relations for Desktop Simulation Finder System Finder Feature Specialization Converter for 3D experience Platform Native Apps on Collaborative Sharing Licensing Data Model Customization Collaborative Industry Innovator | | 1 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|---|
|--------------|------------------------|---|---|---|---|----------|------------------|---|

| | | | | | | | | |
|----|--|---|----|--|--|--|--|--|
| 20 | Governance/Life cycle Collaborative Business & Industry Innovator | | | | | | | |
| | --- Collaborative Lifecycle Properties Panel 3D Plan Infrastructure 3D Drive Enabler Feed Reader Feed Reader Metrics Reader Metrics Reader User Communities Basket Calculator 3D Comment My Roles Cloud Resources 3D Dashboard 3D Drive 3D experience Drive Native Feed Reader Globe Viewer Metrics Reader Generic Social Toolbar Getting Started 3D Messaging 3D Messaging Quick Links Mail Reader 3D Swym Media Links 3D Compass My 3D experience Web Notes 3D Notification Drives Control Center Dashboards by Role Configuration CenterMy Platform Contol Center Members Control Center 3D Passport Control Center Legal Configuration Center Communities Analytics 3D Search Control Center Subscriptions Control Center | 1 | 50 | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Subscriptions Control Center Communities Control Center 3D Passport 3D Play 3D Play 3D Play 3D Play Web Platform Platform Roles Rich Profile 3D Passport Security Tab User Group Editor Run | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|---|
|--------------|------------------------|---|---|---|---|----------|------------------|---|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| your App 3D Search 3D Sketch 3D Swym Analytics Cloud Storage 3D Swym 6 WT ags 3D Swym Content Web Page Reader 3D Swym News 3D Drive from Top Bar 3D EXCITE 3D Story OAuth1.0a Provider Administration Collaboration and Approvals Classify and Reuse IP Classify and Reuse 1 71 Collaboration for Microsoft Compare Bookmark Editor Web app Immersive Virtuality Collaborative Lifecycle Web app Project Execution Project Gantt 3D Markup Relations Control Center Structure Refinement Web app Relations Web app Product Explorer Collaborative Tasks Unified X- CAD Design Management Unified X- CAD Design Exchange Change Action Web app My Session XCAD Data Processor Job Monitoring X- BOM Adapter for X- PDM Issue 3D ReviewCollabora tion for Microsoft - Server Issue Management Route Management Document | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Management Information Enabler TP - Content RoleSimulation Software Base Apps EnablerBI Essentials 3DSpace News Cloud Resources 3DSpace CSV Contribution to IFW Collaborative | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Spaces Control Center Enterprise Control Center 3DPlay Collaborative Apps Services Cloud Storage Collaborative Business Innovator | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 21 | Design/Engineering Mechatronic Systems Engineer 3D Templates Capture Assembly Design Dymola Behaviour Modeling Drafting Template Essentials Electrical Systems Design Functional & Logical Design Functional Part Design Drafting Generative Wireframe & SurfaceConverter forIGES Quality Rules Reuse Mechanical Systems Design Mechanical Systems experience Engineering Templates Reuse Natural Assembly 3D Annotation experience 2D Layout for 3D Design Natural ShapeSimulation Software Material Definition Part Design Essentials Piping & Tubing Systems Design Behaviour experience Converter for STEP Symbol Design Product Structure Design Weight Analysis Mechanical Detailed Design Engineering enabler TP Mechanism Design Engineering | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | enabler TP Tubing Designer enabler TP Systems 3D Architecture Design enabler TP STEP Persistence Designer enabler TP System Libraries enabler TPMissing native Role assignment for the user on the license server (Client side) | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Systems FMU Export enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Interference Check for Desktop Interference Finder Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On- The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for Desktop Simulation Finder Converter for STEP PDM System FinderEngineerin g Adapter for X- PDM Part Supply integration for 3D experience Converter for CSV - Collaborative Industry Innovator Extended Report Generation Requirements for Web Apps Requirements for Dashboard Change Governance | | | | | | | | |
|---|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Report Producer Requirements Engineer | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 22 | <p>Design/Engineering Systems Schematic Engineer</p> <p>Drafting Template Essentials Electrical Systems Design Engineering Specification Capture & Reuse Functional & Logical Design Drafting HVAC Systems Design Quality Rules Reuse Engineering Templates Reuse Piping & Tubing Systems Design Space Usage Symbol Design Product Structure Design Systems 3D Architecture Design enabler TP Volume Filter Collaborative Innovation Retribution for Design IP Classification Exchange Management Bookmark Editor for Desktop Industry Specific Enabler for Data Conversion Collaborative Lifecycle for Desktop Collaborative IP Management Native Manufacturing Finder Change Action for Desktop On-The-Go Data Setup Product Finder Design Review for Desktop Structure Refinement for Desktop Relations for</p> | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Desktop Simulation Finder Converter for STEP PDM System Finder Engineering Adapter for X- PDM Part Supply integration for 3D experience Converter for Systems Schematic | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Designer CSV - Collaborative Industry Innovator Extended Report Generation Systems Synthesis Systems Synthesis Derived Format Converter Collaborative Innovation Retribution for Export DS PLM Structure as V5 files Import XPDMXML without Geometrical Conversion Design with V53D experience add-in for Design with V5 Report Producer Systems Synthesis Analyst Collaborative Industry Innovator | | | | | | | |
| 23 | Simulation Simulation Token Pack | | 12 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 24 | Design Premium Premium 3D CRD Part and Assembly Modeling 2D Drawings Design Reuse and Automation Collaborate and Share CAD Data Interference CheckFirst- Pass Analysis Tools CRM Programming (CRM) Design for Manufacturing (DFM)Productivity Tools Advanced CAD File Import/Export and d 3D InterconnectExtended Reality (XR) Exporter CAD Libraries (Toolbox) Design for Cost (Costing)ECRD/ MCRD Collaboration (Circuit Works) CAD Standards Checking (Design Checker) Collaboration with e Drawings ProfessionalAutomated Tolerance Stack-Up Analysis (TolRnalyt) Advanced Photorealistic Rendering(Visualize) File ManagementReverse Engineering | | 20 | 50 | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | (ScanT03D) Time- based Motion Analysis Linear Static Analysis for Parts and Assemblies Pipe and Tube Routing Electrical Cable and Wiring Harness Routing Advanced Surface Flattening Rectangular and Other Section Routing | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| 25 | Simulation Simulation Premium Fully Integrated CAD FEA Modeling Interactions and Connectors Loads and Constraints Stress Hot Spot Diagnostics Communication with Reports and eDrawings® Linear Static Simulation for Assemblies Time- Based Motion Design Comparison Studies Fatigue Simulation Trend Tracker Automatic Conversion of Toolbox Fasteners to Bolts Design Optimization Load Case Manager Advanced Interactions and Connectors Topology Optimization Studies Event- Based Motion Simulation Frequency Simulation Buckling or Collapse Simulation Thermal Simulation Drop Test Simulation Pressure Vessel Design Sub modeling Simulation 2D Simplification Linear Dynamic Simulation | | 5 | 50 | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Nonlinear Simulation Composites Simulation | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| 26 | Flow Simulation Flow Simulation Design Data Reuse Multi-Parameter Optimization Flow Simulation Capabilities Material Database Internal External 2D — 3D Heat Conduction in Solids Gravity Rotation Free Surface Symmetric Gases Liquids Steam Mixing Flows Non Newtonian Fluids Flow Conditions Thermal Conditions Wall Conditions Porous Components Visualization Results Customization Communication & Reporting Two- phase (Fluid + Particles) Flows Noise Prediction (Steady State and Transient) HVAC Conditions Tracer Study Comfort Parameters Electronic Conditions | | 5 | 50 | | | | |
| 27 | Network Network Edition SW | | 1 | 50 | | | | |

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 28 | Composer Technical Publication and resource Composer | | | | | | | |
| | CAD Format Supported Update Visual Content Foster Content Development Document Processes Animation BOM Customization Automate Process | | 1 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|---|
|--------------|------------------------|---|---|---|---|----------|------------------|---|

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| 29 | <ul style="list-style-type: none"> • CNC Vertical Machining Centre • Spindle nose taper 7/24 No.40 • Spindle power (Fanuc Make) 1 Min / 15 Min./Cont. Rating - 11 / 7.5 / 5.5 KW • AC Servo axes drive (Fanuc Make) • Spindle Bearing Diameter ø 60mm • Tool shank BT-40 • LM Guideways (Roller type) for all the three axes (Size of LM guideways for X/Y/Z axes are – 30/30/35 mm with (P- Class)) • CNC System | | 1 | 50 | | | | |
|----|--|--|---|----|--|--|--|--|

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | <div>Latest version of Fanuc 0i-MF Plus with 10.4" Colour LCD</div> <ul style="list-style-type: none">• Panel cooler for electrical | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | cabinet <ul style="list-style-type: none"> • Fail safe brake for Z- Axis • Standard work light • Coolant tank and chip tray • Three tier indication lamp • Flexible coupling for X, Y & Z Axes with Ballscrew size Dia.32x16 mm (C3 Class) • Manual pulse generator • Rigid tapping • Total machine enclosure • Chip backward system • Standard CNC features of Latest version of Fanuc Oi-MF Plus with Colour LCD | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | <ul style="list-style-type: none">• Spindle speed of 80 - 8000 rpm (Direct drive)• Rapid traverse of | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | 40 / 40 / 40 m/min. for X, Y & Z Axes <ul style="list-style-type: none"> • Coolant Gun • Chip flushing system on the base • Flood coolant system around the spindle • Tool life management • 24 Station Tool Magazine • Twin Arm (Random) type Auto tool changer • Standard Coolant Tank with Three Tier Tower CNC Dia. 180 mm Rotary table with Fanuc motor, drives, 4th Axis + | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Interfacing (Ucam make / equivalent) with resolution of 0.001 Deg. | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
|-----------|---------------------|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|

| | | | | | | | | |
|----|--|--|---|-----------|--|--|--|--|
| 30 | <p>CNC TURNING CENTRE: with Latest Version of Fanuc Oi – TF Plus controller with 10.4" LCD Screen.</p> <ul style="list-style-type: none"> - 3 Jaw power operated high-speed chuck ø 200 mm including suitable Hollow power chucking cylinder ø 42 minimum bar capacity with one set soft jaws and one set hard jaws. - 8 Station Servo Indexing Tool Turret with Hydraulic Clamping and turret coolant facility. - A2-6 Spindle (Cartridge) - AC Spindle Drive and AC Servo Axes Drives for both axis ('Fanuc' make) - Automatic Centralized Oil Lubrication System - Basic Hydraulic System - Built-In Lighting System - Coolant System and Coolant nozzle over spindle. - Spindle Air Purge - Drain line - Oil cooler - Electronic | | 1 | 50 | | | | |
|----|--|--|---|-----------|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | <p>Hand Wheel (MPG) (' Fanuc ' make) - X axis with Box Guideways with width 55 mm - Z axis with Roller Linear Motion Guideways (P- class) with width 35 mm - Ball screws for X&Z</p> | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | axis with ø32 x 10 mm pitch having accuracy within C3 class - Machine Color: RAL 7016 (Titen Grey) , RAL 9016 (Traffic white) & RAL 3002 (Red) - One set of machine manuals (Instruction manual & Parts manual) along with 01 no. CD - Oriented Spindle Stop (M19 Command) - Programmable quill - Spindle Override switch - Feed Override switch - Coolant Float switch - Spindle Motor Power: 7.5 kW 15 mins. Rating / 5.5 kW continuous rating - Spindle Speed: 50 – 4000 rpm - Tailstock with live centre - Foot Switch for Chuck and Tailstock actuation - Three Color | | | | | | | |

| | | | | | | | | |
|----|--|--|---|----|--|--|--|--|
| | Machine status lamp (Signal Tower) and Illumination Lamp | | | | | | | |
| 31 | CNC Simulator CNC Control Simulator Module, Next Generation Control; dual software (Milling & lathe); perfect for classroom training and on-site demonstrations | | 3 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 32 | Stabilizer Voltage Stabilizer suitable for Milling & CNC TURNING | | 1 | 50 | | | | |
| 33 | Air Compressor Reciprocating Air compressor with dryer suitable for MINI Milling | | 1 | 50 | | | | |
| 34 | Cable Total Cable as required for integration of machines | | 1 | 50 | | | | |
| 35 | Earthing Kit Copper Earthing Rod 1no. with single core 8 sq. mm cable 10 meters & Chemical Bag 1 no. | | 2 | 50 | | | | |
| 36 | Tools Hand Tool Set | | 1 | 50 | | | | |
| 37 | Clamping Kit | | Part of Machine Supply | 50 | | | | |
| 38 | Tooling Set Milling Tooling Set BT40 for Vertical Milling Center | | Part of VMC supply | 50 | | | | |
| 39 | Tooling Set Lathe Tooling Set 25 x 25 mm Shank for CNC Lathe Machine | | Part of Machine supply | 50 | | | | |
| 40 | Vice Manual Vice for MINI Milling | | Part of Machine supply | 50 | | | | |

| | | | | | | | | |
|----|--|--|------------------------------|----|--|--|--|--|
| 41 | Coolant Coolant Concentrate (60 L) with DM water (200 L) | | Part of Machine supply | 50 | | | | |
| 42 | Tool Trolley for VMC | | Part of Machine supply | 50 | | | | |
| 43 | Tool Trolley Tool Trolley for CNC TURNER | | Part of Machine supply | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 44 | 3D Printer Digital Light Processing (DLP) using non-contact membrane technology. Build Volume (xyz): 124.8 x 70.2 x 196 mm Resolution: 1920 x 1080 pixel Pixel Pitch: 65 microns Wavelength: 405 nm | | 2 | 50 | | | | |
| | 3D Sprint software Features: Features should include build job set-up, submission and job queue management; automatic part placement and build optimization tools; part nesting capability; part editing tools; automatic support generation; job statistics Input File Formats Supported: STL, CTL, OBJ, PLY, ZPR, ZBD, AMF, WRL, 3DS, FBX, IGES, IGS, STEP, STP and X_T | | 20 | 50 | | | | |

| | | | | | | | | | |
|----|--|--|---|-----------|--|--|--|--|--|
| 45 | CAM Software DESIGN Solid modeling Live surface modeling, patching, and repair Quickly create and dimension live wireframe geometry Read/write IGES, DXF, SAT, Parasolid, EPS, and more Read native AutoCAD, Solid Edge, and more CAD file change recognition Part and toolpath nesting | | 24 user network license per location | 50 | | | | | |
|----|--|--|---|-----------|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Milling 3D Milling and Milling Advanced Fully associative toolpathsIn- process stock model Dynamic Motion toolpaths (2D) Feature Based Machining Automated feed rate optimization Contouring, pocketing, and drilling 2D high speed machining 3D contour cutting, trimming and re machining On- screen toolpath verification Fast, easy tool management Machine and control definition Machine Simulation Tomb stone support Engraving Raster to Vector image conversion Single and limited multi surface roughing Single and limited multi surface finishing Dynamic Motion toolpaths (3D) Accelerated Finishing Full multi surface and solid roughing Full multi surface and solid finishing | | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Full multi surface and solid "clean up" machining Full multi surface and solid high speed machining Full multi surface and solid optimized roughing Full multi surface and hybrid finishing | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | <p>LATHE</p> <p>Lathe and Lathe Advanced 3D tooling support Stream lined "Quick Toolpath" programming Intelligent ID and OD roughing Dynamic</p> <p>Roughing Easy finishing All Direction Turning Support Optimized Facing Grooving Threading Prime Turning Support Canned cycle support Automatic gouge checking Boring, drilling, and point-to-point machining Machine directly on a solid Chuck, part, steady rest, and tailstock collision check Fully associative toolpaths Machine and control definition Face and cross contour, Face and cross drilling 3D C-axis contour machining Plunge turning C & Y Axis Support Support for Turn- Milling in combination with Milling License</p> | | | | | | | |

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|----------------------------------|--------------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | ROUTER Part and toolpath nesting In-process stock model Fully associative toolpaths Drilling 2D contour cutting Basic pocketing Feature Based Machining Dynamic Motion toolpaths (2D) 3D contour cutting, trimming, and re machining Advanced pocketing, including open pockets Block drilling Tabs Right-angle head support Engraving On-screen toolpath verification Single and limited multi surface Roughing Single and limited multi surface Finishing 20 user network license per location ART Create a 3D model directly from a digital image. Scan a photo and create an organic, sculpted piece Turn 2D line art into 3D sculptures quickly by adding, subtracting, intersecting, and blending | | 24 user network license per location | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | multiple organic shape Create a "positive" model, and convert it into a mold with one simple mouse click Powerful automated tools create highly complex 3D shapes. Easily repeat a 20 user network license per location pattern of 3D shapes on your design. Easily fill areas with built-in | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | textures. Add, subtract, blend, and change elements on screen until you have the perfect look. Create a toolpath and machine it on screenOutput G-code and cut it on your CNC Router | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | <p>CODE EXPERT (For Milling 3D, Lathe & Router) Code Editing interface to amend and compare G & M Codes. Create and edit NC code and Posts. Includes executable code, definitions, and formats. Run code in debug mode, set breakpoints, watch token values, and view enhanced debug error reporting.</p> | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | MU-Online Online and On-Demand Training access for following modules – Principles of Machining Lathe Milling 3D | | | | | | | |

| | | | | | | | | | |
|----|---|--|--------------------------------------|----|--|--|--|--|--|
| 46 | <p>Wood Crafting and Artisan Software Class-leading design tools, flexible manufacturing features for creative professionals create truly artistic, precision products for a wide variety of applications. Create three-dimensional shapes from vector or bitmap artwork and use in-built vector tools to define your toolpath operations. Relief modelling enables you to create detailed 3D artwork quickly and easily, using intuitive design tools. CNC-machine your work right the first time with flexible manufacturing tools that ensure desired results. Includes – Maximum Model Resolution (points), Bitmap Editing, Bitmap-to-Vector, Adjust Resolution, Bitmap Layers, Deskew, Vector Editing, Mirror, Trim, 02 user network license per location Block-Copy Rotate, Vector Doctor, Fillet, Clip, Spline, Fill, Outline, Vector Layers, Basic Offset, Vector Library, Envelope</p> | | 05 user network license per location | 50 | | | | | |
|----|---|--|--------------------------------------|----|--|--|--|--|--|

| | | | | | | | | |
|--|----------------------------|--|--|--|--|--|--|--|
| | Distortion, Multiplate, | | | | | | | |
|--|----------------------------|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Vector Sheets, Advanced Offset, Guilloche, Vector Shadow, Create Text, Text on a Curve, Relief Clipart Library, Scale Relief, Smooth Relief, Invert Relief, Relief Boundary, Magic Wand, Zero In/Out to Vector, Remove Small Holes, Paste Relief, Preview Relief, Create Mesh, Relief from Greyscale, Sculpting Smooth & Erase, Shape Editor, Weave Wizard, Fade Relief, Shading Parameters, Calculate Surface Area, Scale to Volume, Add Draft, Greyscale from Relief, Relief Mirror-Merge, Paste Relief on Vector, Face Wizard, Two Rail Sweep, Relief Offset, Texture Relief, Slice Relief, Create Ring, Extrude, | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Ex cl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|--------------|------------------------|---|---|---|---|----------|------------------|--|
|--------------|------------------------|---|---|---|---|----------|------------------|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| <p>Turn & Spin, Constant Height Lettering, Back Reliefs, 3D Blend, Create Cross Section, Relief Layers, Advanced Sculpting Tools, Angled Plane, Relief Analysis Tools, Envelope Distortion, Silhouette, Relief Cookie Cutter, Texture Flow, Latent Imaging, Profiling, Drilling & Peck Drilling, V-Bit Carving, Inlay Wizard, Fluting, Bevel Carving, Custom Model Origin, Bridges (Breakout Tabs), Ramping Moves, Final Pass Cut, Texture Machining, Nesting, Guillotine Cuts, Drill banks, Toolpath Templates, Toolpath Panelling, Toolpath Ordering, Advanced Profile Options, Batch Calculate Toolpaths, Toolpath</p> <p>Merge/Copy/Tra nsform, Edit Toolpath Parameters, Raised Round, Sequencing, Fluted Weave, Smart Engraving, Raster & Classic Raster (X&Y), Spiral In a Box & Classic Spiral in a Box, Roughing Raster, Offset Raster, Ramping</p> | | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Moves, Support For Laser Machines, Advanced Raster & Advanced Raster (X&Y), Advanced Spiral & Advanced Spiral in a Box, Constant Z, 3D Offset, 3D Offset Spiral, 3D Offset Inside, Z- | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Level Roughing, Feature Machining, Surface Links, 3D Cutout, 3D Rest, Flip Machining, Ring Machining, 3D Printing, 3-Axis Rotary Machining. Relief Library - over 500 Relief models available for practice and learning exercises | | | | | | | |
| 47 | Welding Robot with Welding Power Source 1440mm Reach Arc Welding Robot [12Kg Payload] with 350A welding power source & Robot Controller Including: Welding Torch with cable Shock Sensor & cable Wire Feeder with mounting base & cable Programming pendant (touch) Robot Cable :4 m Programming pendant cable: 8m | | 1 set | 50 | | | | |
| 48 | Handling Robot 12Kg Payload Handling Robot with reach 1440 mm along with controller Programming pendant Robot Cable: 4 m Programming pendant cable: 8m | | 1 set | 50 | | | | |

| | | | | | | | | |
|----|--|--|-------|----|--|--|--|--|
| 49 | Training Cell (System Integration) Teaching tables, Welding & Handling Table PLC HMI and Electrical panels Robot Pedestal Conveyor with accessories Step down transformer Safety Fence with light curtain and safety door Simulation Software | | 1 set | 50 | | | | |
|----|--|--|-------|----|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 50 | Laser Cutter Machine CO2 Laser Engraving & Cutting Machine for Non- metal Applications Working area 1200*1200 mm Power with 100 W 3 KVA Online UPS | | 1 | 50 | | | | |

| | | | | | | | | |
|----|--|---|----|--|--|--|--|--|
| 51 | Simulation Software Pre-Processor Geometry Modeler CAD import Boolean Function Mesher Script editor Data file generation Mesh import and Export Organize Component Sub structuring Assigning Properties and Attributes Modules Static Linear Analysis Non-Linear Dynamic Free Vibration, Buckling Analysis Transient response Frequency response Random Response Base excitation Inertia Relief Inertia Relief Method Non-Linear Analysis Non- Linear Analysis Electro-static Electrostatic Analysis Heat transfer Module Heat Transfer Module Conduction convection Radiation Visco- Elastic Analysis Visco-Elastic Analysis Solvers Linear Solver Cholesky Multifrontal Conjugate gradient Eigen Solver Lanczos Subspace Iteration Post Processor Contours and fringes Graphical Plots Animations | | | | | | | |
| | | 5 | 50 | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| | Section Contours Export .out to excel | | | | | | | |
|--|---|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Elemental Forces History Plots Beam Plots for 1Dimensional elements Deformation plots Stress Linearization | | | | | | | |
| 52 | IOT KIT Desktop for IoT IOT Trainer and Prototyping Kit CE and RoHS Compliant with High Quality ABS Case- PCB Design, Fabrication, Case - Make in India. The IOTIF trainer kit is an electronic trainer kit consisting of three micro-controllers: Raspberry Pi 4B (with SD Card and pre-installed Raspbian OS), Arduino Nano and ESP-01; and a variety of sensors and actuators like Buzzer, LED, RGB LED, Relay, Ultrasonic sensor, Light Dependent Resistor (LDR), Passive Infrared Sensor (PIR sensor), Digital Humidity and Temperature sensor(DHT-11), Servo motor, Stepper motor, Bluetooth module, Liquid | | 10 | 50 | | | | |

| | | | | | | | | |
|----|--|--|----|----|--|--|--|--|
| | crystal display (LCD), Joystick and a Membrane Keypad. | | | | | | | |
| 53 | IoT Kit Accessories Box Ethernet Cable, RMC Cable 4 pin and 8 PIN, Arduino Nano cable, HDMI Cable, 12V, 3amp power Adapter, 2 Pin Adapter cord, Lab Manual | | 10 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 54 | Separate peripheral sensors Sound sensor - Sensitivity - 52 to 48 dB (1Khz), Freq of Micro phone - 16 to 20 kHz, Impedance- 2.2kohms Touch sensor - Capacitive Touch Sensor Gas sensor - Detect LPG, Alcohol, Propane, methane, Digital output - 0V- 5V Light sensor - 0~65535 lux. Magnetic switch - Moisture sensor 3 Axis Digital accelerometer /3axis Magnetic field sensor & shield for Arduino Turbidity sensor - 30 psi ,0-50 NTU and 0-1000 NTU; Meter = 0-50 NTU or 0-1000 NTU selectable PH sensor board - 0 - 14PH. Heart beat sensor - Water flow sensor - 1~30 L/min Water level sensor - Digital and Analog Vibration Sensor - Sensitivity - Greater than or equal 0.2g, Omni-directional Body | | 10 | 50 | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | temperature sensor Oxygen level sensor Blood pressure sensor RFID Weight sensor Current sensor - 5A to -5A, +20A to -20A Solenoid valve OLED Switch (push Buttons) Hall Effect Camera Module Finger Print Flame Sensor | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 55 | Consumables & Hardware Digital Multimeter | | 5 | 50 | | | | |
| | LED Bulbs + holder | | 10 | 50 | | | | |
| | 12V 2A adaptor | | 10 | 50 | | | | |
| | Screwdriver | | 5 | 50 | | | | |
| | Stripper | | 5 | 50 | | | | |
| | Soldering gun | | 5 | 50 | | | | |
| | Solder metal (50gm) | | 5 | 50 | | | | |
| | Nut & bolts set | | 5 | 50 | | | | |
| | 2 Pin AC plugs pair | | 5 | 50 | | | | |
| | Wires - 20m | | 10 | 50 | | | | |
| | General Purpose PCB | | 5 | 50 | | | | |
| | Resistor pack (50 pcs) | | 3 | 50 | | | | |
| | Capacitor pack (50pcs) | | 3 | 50 | | | | |
| | Connector pack (50pcs) | | 3 | 50 | | | | |
| | LED pack (50 Pcs) | | 3 | 50 | | | | |
| | IC pack (25 pcs) | | 3 | 50 | | | | |
| 56 | Battery Set | | 10 | 50 | | | | |
| | Insulation Tape | | 5 | 50 | | | | |
| 56 | Paint Booth Painting Spray Booth Dry type technology, ground mounted, side draft type Painting Booth Suction Chamber Hood & Damper for Velocity control Illumination System Electrical controls | | 1 | 50 | | | | |
| | Spray Painting Gun and system Pressure feed Spray Gun Pressure feed container with stirrer Paint hose and air hose | | 1 | 50 | | | | |

| | | | | | | | | |
|----|--|--|------------|----|--|--|--|--|
| | System Set up and integration with Design | | | | | | | |
| 57 | Plumbing Training Kit Solar water heater system Rain Water Harvesting Soak Pit Water leak detector Touchless Faucet Water meter Sprinklers and other fire suppression | | 1 set each | 50 | | | | |

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | systems Ranger bathtub kitchen sink and fitting Water closet (European type p) complete with overhead cistern Telescopic pipe cutter Drain or chockup Rods Wall Chaser machine Pressure testing machine | | | | | | | |
| 58 | Plumber tool kit Pipe Vice, wrenches, water pump pliers, Pipe cutter, pipe bending machine, threading dies, chain wrench, infrared thermometer, sink auger, internal pipe cutter, advanced laser distance Meter | | 1 set | 50 | | | | |
| 59 | Online learning management tool e-Learning Tool | | 20 | 50 | | | | |
| 60 | Industrial Workstation 32 GB RAM, Qdr 4GB, Intel XeonW- 2123 3.6 4C, 1TB HDD, USB Keyboard & USB Optical Mouse | | 24 | 50 | | | | |
| 61 | Monitor IPS Display, Narrow Bezel | | 24 | 50 | | | | |
| 62 | Furniture | | | 50 | | | | |

| | | | | | | | | |
|----|---|--|---|----|--|--|--|--|
| 63 | Server with rack Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s, 14M Cache, Turbo, HT (85W) DDR4-2400, 600GB x 5nos. 10K RPM SAS, 12Gbps 512n 2.5in Hot plug Hard Drive | | 1 | 50 | | | | |
|----|---|--|---|----|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 64 | Virtual Welding and Painting Station Desk Top with High End Graphic Card: 23.8inch Display Monitor Intel Core i5-10500 3.1GHz 6C 65W Win 10 Pro 64 16GB (1x16GB) DDR4 2666 1TB 7200 SATA-6G 3.5 GeForce RTX 3070 DP+HDMI+DVI-DGFX USB 320K KB MUS WD USB OPT DisplayPort Port v2 Trackers * 6 Processor Trolly Welding Torches Stick TIG MIG Welding Parts Plates * 10 Pipes * 5 Work stand Spray Painting Guns HVLP Paint Gun Airless Paint Gun | | 2 Sets | 50 | | | | |

| | | | | | | | | |
|----|--|--|----|----|--|--|--|--|
| 65 | Multi-Purpose Tools Set V- Block pair 7 cm with clamps V-Block 15 cm with clamps Metal - L - 15cm Metal - L - 30cm Angle plate 10 x 20 cm. Spirit Level 15 cm metal Taps and dies complete set in box File warding 15 cm smooth File knife edge 15 cm smooth File cut saw 15 cm smooth File feather edge 15 cm smooth File triangular 15 cm smooth File round 20 cm second cut File square 15 cm second cut File square 25 cm second cut File triangular 20 cm second cut. File flat 30 cm second cut. File flat | | 10 | 50 | | | | |
|----|--|--|----|----|--|--|--|--|

| Item S.No | Description of Item | Cost per unit (Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|----------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | 20 cm bastard File flat 30 cm bastard. File Swiss type needle set of 12. File half round 25 cm second cut. File half round 25 cm bastard. File round 30 cm bastard. File hand 15 cm second cut. Card file. Oil Stone 15 cm x 5 cm x 2.5 cm Pliers combination 15 cm Blow Lamp 0.50 liters. Spanner D.E. 6 - 26 mm set of 10 pcs. Spanner adjustable 15 cm Box spanner set 6-25 mm set of 8 with Tommy bar. Glass magnifying 7 cm Clamp toolmaker 5 cm and 7.5 cm set of 2. Clamp "C" 5 cm Clamp "C" 10 cm Scraper flat 15 cm. Scraper triangular 15 cm Scraper half round 15 cm Chisel cold 9 mm cross cut 9 mm diamond. Chisel cold 19 mm flat Chisel cold 9 mm round noze. | | | | | | | |
| | Motorized +Tennon Saw Hand hammer 1 kg. with handle Ball Peen | 1 | | | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| | Hacksaw frame fixed 30 cm. Mallets Wooden Screwdrivers Steel Rule 30 cm Steel Rule 60 cm. Micrometer 0 – 50 mm outside. Vernier calliper 15 cm Micrometer Inside 5- 30mm | | | | | | | |
|--|--|--|--|--|--|--|--|--|

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Brazing Set up Torch along with 3 Nozzles | | 1 | 50 | | | | |
| | Safety Kit Hand gloves, Safety Shoes, Helmet, Safety Goggles etc. | | 10 | 50 | | | | |
| 66 | Advance Tool Set Hand Drilling Machine Rated input power: 600W, Power output: 301W, Rated torque: 1.8 Nm | | 1 | 50 | | | | |
| | Metal Saw No-Load Speed: 3,800 rpm, Saw blade diameter 355 mm, Saw blade bore 25.4 mm | | 1 | 50 | | | | |
| | Straight Grinder Heavy Duty with attachments No-Load Speed: 10000 – 30000 rpm, Rated power output: 380W Professional Air Blower Power consumption: 820 W, No-load speed: 16000rpm, Flow rate: 0-4.5 m3/s | | 1 | 50 | | | | |
| | Jig Saw Portable Input Power: 900W, No-load speed: 11,000 rpm, Disc Diameter: 100 | | 1 | 50 | | | | |
| | Hammer Drill Wired Drill type: hammer, optimum power | | 1 | 50 | | | | |

| | | | | | | | | |
|--|--|--|---|----|--|--|--|--|
| | transfer | | | | | | | |
| | Hand Held Sander / Polisher No Load Speed: 11000 rpm | | 1 | 50 | | | | |
| | Digital Dial Torque Wrench Range: 20 to 280 Nm | | 1 | 50 | | | | |
| | Lifting Tackle/Sling 1 Ton×2mtr | | 1 | 50 | | | | |
| | Impact Wrench LaserLight Pen 1/2-inch drive | | 1 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|------------------------------|
| | Surface Plate Cast iron | | 1 | 50 | | | | |
| | Digital Screw Pitch Gauge Working voltage: 3.0 V / DC, Measure precision: 0.1 degree | | 1 | 50 | | | | |
| | Laser Distance Measurement Instrument Levelling Accuracy (Vial): +/- 0.2degree, Measuring Accuracy Typical: +/- 1/16 inch (1.5 mm) | | 1 | 50 | | | | |
| | Palm Scale Capacity- 500gms, Least Count-0.1g | | 1 | 50 | | | | |
| | Allen Screwdriver Wrench Tool 6Pcs T Handle Ball Ended Hex Key | | 1 | 50 | | | | |
| | Universal Quick Adjustable Multi-Function Wrench Spanner Range: 6-32mm | | 1 | 50 | | | | |
| | Double Ended Wrench Hex Socket Spanner 8 In 1, Range: 6-32mm | | 1 | 50 | | | | |
| | Almira | | 1 | 50 | | | | |

| | | | | | | | | |
|----|---|--|---|----|--|--|--|--|
| | Digital Meters Power Analyser, AC DC clamp Meters, Multi meters, lux meters, Digital insulation meter, automotive battery tester, transistor tester, vibration meter, Oscilloscope, Function Generator etc. | | 1 | 50 | | | | |
| 67 | Car lift -4Ton Hydraulic Lift Model with Lifting Capacity 4 Ton | | 1 | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 68 | Industrial Automation Simulator Kit MCCB 16 Amp PLC with ethernet HMI - 10 Inch Colour Touchscreen Energy Meter A.C.Drive - 1HP, Three Phase Supply SMPS 2.1 Amp, 24vdc Ethernet Switch 8 Port 8 channel Relay card Tower Light Proximity sensor Limit Switch PID Motor - 1 HP DOL Starter Star Delta Starter Multi meter | | 2 Each | 50 | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 69 | Development and Runtime Software SCADA Server for Instructor | | 2 | 50 | | | | |
| 70 | Development Software SCADA Client License for Students | | 18 | 50 | | | | |
| 71 | SEDAN EV VEHICLE | | 1 | 50 | | | | |
| 72 | EV Kit Chassis Aluminium/ steel Frame | | 2 | | | | | |
| | Wheel Rim & Tyre 12 Inch Car Alloy/Steel Rim Wheel | | | | | | | |
| | Battery 12V, 100AH (4 Nos.) | | | | | | | |
| | Crimping Lugs As needed | | | | | | | |
| | Battery Packing | | | | | | | |
| | Motor 48V 900W | | | | | | | |
| | Motor Controller | | | | | | | |
| | Throttle Pedal | | | | | | | |
| | Solar Panel 50watt | | | | | | | |
| | Solar Charge Controller 48V | | | | | | | |
| | Wire, Solar Panel to EV KIT 6 Sq. mm/4 Sq. mm | | | | | | | |
| | SMPS | | | | | | | |
| | Selector Rotary Switch | | | | | | | |

| | | | | | | | | |
|--|------|--|--|--|--|--|--|--|
| | MCB | | | | | | | |
| | Fuse | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|---|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| | Emergency Stop Switch | | | | | | | |
| | Start Switch | | | | | | | |
| | Stop Switch | | | | | | | |
| | Break Switch | | | | | | | |
| | Head Light | | | | | | | |
| | Tail Light | | | | | | | |
| | Banana Plugs & Socket | | | | | | | |
| | Wires 12V2.5 Sq. mm | | | | | | | |
| | Electric Wiring raceways | | | | | | | |
| | Grommet | | | | | | | |
| | Reverse Camera | | | | | | | |
| | Ultrasonic Sensor | | | | | | | |
| | Small LEDs with holder | | | | | | | |
| | Big LEDs with holder | | | | | | | |
| | Buzzer | | | | | | | |
| | DC to DC convertor 48V to 12V | | | | | | | |
| 73 | Small commercial vehicle Chassis Petrol | | 1 Learning Set | 50 | | | | |
| 74 | Transmission / Gearbox Demo Kit | | | | | | | |
| 75 | Cooling System | | | | | | | |
| 76 | Fuel System Board (Petrol) | | | | | | | |
| 77 | Exhaust System Urea Handling | | | | | | | |

| Item S.No | Description of Item | Cost per unit(Excl. GST) in Rs. | Total QTY to be supplied per ITI | Total No of ITI s to be supplied | Total Cost (Excl. GST) in Rs. | GST In % | GST Amt in Rs | Total Cost (incl. GST) in Rs |
|-----------|--|---------------------------------|----------------------------------|----------------------------------|-------------------------------|----------|---------------|-------------------------------|
| 78 | Commercial Vehicle Chassis Structure | | 1 Learning Set | 50 | | | | |
| 79 | Rear Axel | | | | | | | |
| 80 | Suspension System- Leaf Spring | | | | | | | |
| 81 | Steering Wheel and Tyre Systems | | | | | | | |
| 82 | Brakes & Controls | | | | | | | |
| 83 | Engine and Transmissi on Mounts | | | | | | | |
| 84 | HVAC Demo Kit working Module | | | | | | | |
| 85 | Electronic Ignition System of An Automobile 4- Wheeler | | | | | | | |
| 86 | Auto Engine Cut section Working Model | | | | | | | |
| 87 | Instruction Kit forCharging System | | | | | | | |
| 88 | Instruction Kit forStarting System | | | | | | | |
| 89 | Lighting and Wiring System | | | | | | | |
| 90 | System Set up and integration withDesign. | | | | | | | |

| | | | | | | | | |
|----|------------------------------------|--|-------|----|--|--|--|--|
| 91 | Flexible Manufacturin System | | 1 Set | 50 | | | | |
|----|------------------------------------|--|-------|----|--|--|--|--|

A) TRAINERS TRAINING THROUGH VSAT

| Item Sl. No. | Description of the items with specification | Cost per Unit (Excl. GST) | No. of Qty to be supplied per ITI | No of ITIs to be Supplied | Total Cost (Excl. GST) in Rs | GST in % | GST Amt in Rs. | Total Cost (Incl. GST) in Rs |
|--------------------|--|---------------------------------------|--|---------------------------------|--|-------------|----------------------|--|
| 1 | Satellite Classroom Centre Opti Plus 3060: i3 8thGeneration/ RAM 4 GB/ Hard Disk 1 TB/ LED 20"/ Windows N Multimedia Projector Ceiling Mount Kit 2ft Wall Mounted Screen 5ft x 7ft Imported VGA Cable 15 Metres Gold Plated Amplifier Libra 250 Control 25-1 2 RCA/EP Connector Cable Speaker Cable Camera C310 Imported USB Extension Cable 10 M Wireless Handheld Microphone 8 Port Switch Patch Cable 5 M Imported Splitter 1 Input -2 Output Installation UPS 3 KVA With Battery & Trolley | | 1 set per location | 50 | | | | |
| 2 | Studio Classroom Router 4321/ K9 With Configuration Professional Camera PXM-X70 Microphone Interactive Pen | | 1 set per location | 3 | | | | |

| | | | | | | | | |
|--|--|--|--|--|--|--|--|----------|
| | Display 22" DTK 2241 TV 43" (Chat View/ Live Preview) Ceiling TV Mounts Imported HDMI Cable 15M Imported HDMI Cable 10M Revo Lecture Capture System (Server): I78th Generation/ Giga byte Mother board /32GBRAM /Cooler Master Cabinet/ SMPS550W/ HDD 1 TB/ 4GB Graphic Card/ SSD480GB/24" Full HD Monitor/ Keyboard Mouse/ Windows 10 Professional 64Bit/ VMIXHD Cat 6 Cable Professional Light Cool Light with Tripod Stand Camera Ceiling Mount/ Tripod VSAT hardware 1.2m KU Antenna, 2W BUC, 30m pair Cable, SEIIC modem Integration material | | | | | | | |
| | Total | | | | | | | B |

Rs. _____/- (Rupees _____ only.)

B) TRAINERS TRAINING THROUGH VSAT

| Item Sl. No. | Description of the items with specification | Cost per Unit (Excl. GST) | No. of Qty to be supplied per ITI | No of ITIs to be Supplied | Total Cost (Excl. GST) in Rs | GST in % | GST Amt in Rs. | Total Cost (Incl. GST) in Rs |
|--------------|--|---------------------------|-----------------------------------|---------------------------|------------------------------|----------|----------------|------------------------------|
| 1 | Satellite Classroom Centre Opti Plus 3060: i3 8thGeneration/ RAM 4 GB/ Hard Disk 1 TB/ LED 20"/ Windows N Multimedia Projector Ceiling Mount Kit 2ft Wall Mounted Screen 5ft x 7ft Imported VGA Cable 15 Metres Gold Plated Amplifier Libra 250 Control 25-1 2 RCA/EP Connector Cable Speaker Cable Camera C310 Imported USB Extension Cable 10 M Wireless Handheld Microphone 8 Port Switch Patch Cable 5 M Imported Splitter 1 Input -2 Output Installation UPS 3 KVA With Battery & Trolley | | 1 set per location | 50 | | | | |
| 2 | Studio Classroom Router 4321/ K9 With Configuration Professional Camera PXM-X70 Microphone Interactive Pen | | 1 set per location | 3 | | | | |
| | Display 22" DTK 2241 TV 43" (Chat View/ Live Preview) Ceiling TV Mounts Imported HDMI Cable 15M Imported HDMI Cable 10M Revo Lecture Capture System (Server): I78th Generation/ Giga byte Mother | | | | | | | |

| | | | | | | | | |
|--|---|--|--|--|--|--|--|----------|
| | board /32GBRAM /Cooler Master Cabinet/ SMPS550W/ HDD 1 TB/ 4GB Graphic Card/ SSD480GB/24" Full HD Monitor/ Keyboard Mouse/ Windows 10 Professional 64Bit/ VMIXHD Cat 6 Cable Professional Light Cool Light with Tripod Stand Camera Ceiling Mount/ Tripod VSAT hardware 1.2m KU Antenna, 2W BUC, 30m pair Cable, SEIIC modem Integration material | | | | | | | |
| | Total | | | | | | | B |

Rs. _____/- (Rupees _____ only.)

C) TOTAL PROJECT COST

| Item Sl. No. | Description | Contribution of the bidder from CSR or their budget provision to Implement the project (Excl. GST amt) in Rs. | GST amount for the Contribution of Bidder in Rs | Financial grant expected from Govt. to Implement the project (Excl. GST amt) in Rs. | GST amount for the Financial Grant from Govt. in Rs | Total Govt. Contribut ion (Incl. GST) In Rs. |
|--------------------|---|--|---|--|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (5+6) |
| 1 | Supply of Machineries / Equipments / Hardware / Software (A) | | | | | |
| 2 | Trainers training through VSAT (B) | | | | | |
| | Total | | | | | |

Rs. _____/- (Rupees _____ only.)

NOTE:

1. If the bidder is contributing substantial portion of the project cost through their own funds (Corporate Social Responsibility (CSR) or any other source of funds), the schedule for release of Government contribution amount may be indicated by the bidder.
2. Standard accessories will be supplied at free of cost along with the machinery / equipment are to be specified.

Name of the bidder:
Authorized signature:
Designation:
Date:

