

(Constituent College of Bikaner Technical University, Bikaner) (Established by the Govt. Act No. 29 of 2017)

TEQIP-III

CORRIGENDUM

IFB No. :- TEQIP-III/RJ/gceb/107 Package Name:- Furniture for College

Date: 19/06/2019

Please note following for participation in IFB No. TEQIP-III/RJ/gceb/107 for Furniture for College

- 1. Last date for Sale of Bidding Document: Date: 01-July-2019 Time:10:00 hrs.
- 2. Last date and time for Receipt of Bids: Date: 01-July-2019 Time: 11:00 hrs.
- 3. Time and Date of Opening of Bids: Date: 01-July-2019 Time: 12:00 hrs.
- 4. Section VI starting at page no. 53 of SBD is replaced with Annex 1.
- 5. Price schedule in Bid Form (Section VII) are to be submitted in sealed envelope separately with bid form.
- 6. Sample verification of items is to be done by committee for quality checking purpose.

Nodal Officer, Procurement (TEQIP-III)

UCET, Bikaner



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Annex 1

SECTION VI: TECHNICAL SPECIFICATIONS

Brief Description	Quantity	Specifications
Tables	7	 The size shall be 1200 Width mm x 600 Depth mm x 750 Height mm (+/- 1mm). The table top shall be made of pre- laminated particle board with 18 mm thick PVC lipping. Other panels: Made up of 18 mm (+/-1mm) thick pre laminated board with PVC lipping. Drawer bottom panel made up of 9 mm thick (+/-1mm) pre laminated particle board. It shall have 1 drawer on right hand side. There shall be locking provided for drawer. Handles for drawer.
Desklet Chair	420	 The seat and back are made up injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The Powder coated (DFT50+ microns) welded tubular frame is made from 2.22 + 0.03 cm x 0.16+/- 0.0128cm and 3.5+/- 0.03 cmx1.5+/-0.03 cm x 0.16 +/- 0.0128 cm M.S.E.R.W tube. The powder coated welded beam M.S. Structure is made from 5.08+/-0.03cm x0.16x +/- 0.0128 cm. The Shoes are made of high impact strength polypropylene polymer compound with indoor grad UV Resistance and pressed fitted with tubular frame. The Armrest made of high impact strength polypropylene polymer compound with indoor grad UV resistance and assembly over the tubular frame. The ""L"" Shape Desklet is made of 1.8+/- 0.05cm thick. Pre - laminated particleboard with 0.2+/- 0.05 cm thick injection polypropylene polymer all around Front & Back (outer Dimension - 31.5+/- (W) x 47.0+/- 0.1 cm (D)) An Upholstery cover be retro fitted on seat and back. The seat cover is made from high abrasion resistance with fabric with foam laminated and 2.5cm PU Foam insert. The back cover is made from High Abrasion Resistance fabric with foam lamination and 0.1 cm PU foam.



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		SIZE: (W) 57.5cm*(D) 67.8cm*(H) 84.5cm*(seat H) 45.0 cm Seat Size: 52.5cm (W)*53.2 cm (D) Back Size 51.6 cm (W)*40.5 cm (H)
		Dack Size 31.0 cm (W) 40.3 cm (H)
podium	6	 The Podium should be made of wood. Length of podium top ±10mm: 650 millimeter Depth of podium ±10mm: 500 millimeter Height of podium ±10mm: 1150 millimeter
2 Seater Student Desk	55	 Desk Top Panel: All panels are made from 18mm thick Pre-laminated twin board (E1/P2 GRADE) with PVC edge banding on all sides. The panels have corners rounded for safety usage. Under structure: All side metal frames and cross connectors are made from combination of 25.4 x1.2 mm thick (approx. 18 SWG) Round ERW tubes, 31.8 x 1.2 mm thick (approx. 18 SWG) Round ERW tubes and 28.6 x 1.2 mm thick (approx. 18 SWG) Round ERW tubes (As per IS:7138) which are welded together. The Welded structures and cross connectors are coated with min. 45 micron thickness of epoxy polyester coating. Back supports which are provided at the rear back are made of 50.8 x 25.4 x 1.2 mm thick(approx. 18 SWG) rectangular ERW tubes(As per IS:7138). The tubes are coated with min. 45 micron thickness of epoxy polyester coating. The storage shelves are made from 0.6 mm thick MS sheet (As per IS: 513) fixed below the desk top panel and are coated with min. 45 micron thickness of epoxy polyester coating. Hooks are provided on the vertical side frames on both sides of the desk for hanging bags/bottles. They are made from 2 mm thick MS sheet (As per IS: 513) and are coated with min. 45 micron thickness of epoxy polyester coating. The under structure is assembled using M6 tabular screws (As per DIN 7500) with Zn blue plating. Compact Laminate seat and back panels are assembled using M6 Countersunk tabular screws (as per DIN 7500) with Zn Black Plating (As per IS 1573:1986). Spacers are provided on the top of round tubes for wooden panels fixing. They are made of PP glass filled (30%). Plastic Caps made of PP copolymer (3530 Grade) and are also provided on the rear frames.

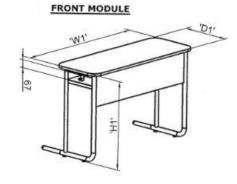


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10. M6 high tensile TVS make bolt (Class 8.8) with glass filled nylon level adjustors are provided at the bottom of under structure to take care of unevenness in floor with height adjustment of approx. 15mm.

11. Front Module:



W1:1200mm

D1:400mm

H1:757mm

12. Rear Module:

W2:1200mm

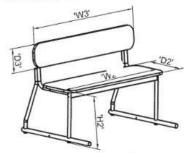
D2:330mm

H2:457mm

W3:1240mm

D3:195mm

REAR MODULE



13. Foot Print



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		Front-Rear Middle: DR: DR: DR: DR: DR: DR: DR: D
		Foot Print for front rear module
		D: 1128mm
		DF: 372mm
		DR: 755mm
		W: 1240mm
		Foot Print for Middle Module
		D: 983mm
		DM: 956mm
		W: 1240mm
3 Seater Student Desk	15	 Desk Top Panel: All panels are made from 18mm thick Pre-laminated twin board (E1/P2 GRADE) with PVC edge banding on all sides. The panels have corners rounded for safety usage. Under structure: All side metal frames and cross connectors are made from combination of 25.4 x1.2 mm thick (approx. 18 SWG) Round ERW tubes, 31.8 x 1.2 mm thick(approx. 18 SWG) Round ERW tubes and 28.6 x 1.2 mm thick (approx. 18 SWG) Round ERW tubes(As per IS:7138) which are welded together. The Welded structures and cross connectors are coated with min. 45 micron thickness of epoxy polyester coating. Back supports which are provided at the rear back are made of 50.8 x 25.4 x 1.2 mm thick(approx. 18 SWG) rectangular ERW tubes(As per IS:7138). The tubes are coated with min.



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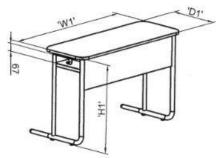
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45 micron thicknes	s of	enovy	nolvester	coating
To fine for the knes	5 OI	cpony.	poryester	couning.

- 4. The storage shelves are made from 0.6 mm thick MS sheet (As per IS: 513) fixed below the desk top panel and are coated with min. 45 micron thickness of epoxy polyester coating.
- 5. Hooks are provided on the vertical side frames on both sides of the desk for hanging bags/bottles. They are made from 2 mm thick MS sheet (As per IS: 513) and are coated with min. 45 micron thickness of epoxy polyester coating.
- 6. The under structure is assembled using M6 tabular screws (As per DIN 7500) with Zn blue plating.
- 7. Compact Laminate seat and back panels are assembled using M6 Countersunk tabular screws (as per DIN 7500) with Zn Black Plating (As per IS 1573:1986).
- 8. Spacers are provided on the top of round tubes for wooden panels fixing. They are made of PP glass filled (30%).
- 9. Plastic Caps made of PP copolymer (3530 Grade) and are also provided on the rear frames.
- 10. M6 high tensile TVS make bolt (Class 8.8) with glass filled nylon level adjustors are provided at the bottom of under structure to take care of unevenness in floor with height adjustment of approx. 15mm.

11. Front Module:

FRONT MODULE



W1:1800mm

D1:400mm

H1:757mm

12. Rear Module:

W2:1800mm

D2:330mm



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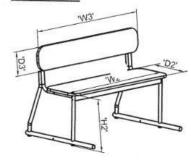
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H2:457mm

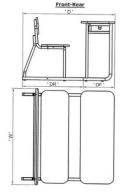
W3:1840mm

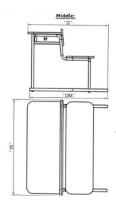
D3:195mm

REAR MODULE



14. Foot Print





Foot Print for front rear module

D: 1128mm

DF: 372mm

DR: 755mm

W: 1840mm

Foot Print for Middle Module

D: 983mm

DM: 956mm



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		W: 1840mm
Single Student Chair	30	 The seat and back are made up injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The tubular welded frame is made from dia2.22 +/- 0.03cm X 0.12+/- 0.0128 cm and 3.5+/- 0.03 cm x 0.12+/- 0.0128 am stainless Steel 202 grade tube. The tube should be buff polished. The Shoes are made of high impact strength polypropylene polymer compound with indoor grad UV Resistance and pressed fitted with tubular frame. Size: (W) 52.5cm*(D) 55.8cm*(H) 84.5cm*(seat H) 45.0 cm Seat Size: 52.5cm (W)*53.2 cm (D) Back Size: 51.6 cm(W)*40.5 cm (H)
Single Student Table	30	 The table size shall be 600 Width mm x 400 Depth mm x 740 Height mm. Top shallhave desk panels of 18 mm thick Pre - Laminated boards with PVC banding on all sides. The Understructure shall be made of 19.05 x 1.25 mm thick Powder coatedERW tubes at base. The tubes are closed with plastic caps. The storage shelf shall bemade from 0.6 mm thick powder coated MS sheet which is affixed below the desktop. Hooks shall be provided on either side of the vertical frames of the desk, forhanging bags / bottles They shall be made from 6.0 mm dia. MS rods. There shallalso be Level adjustors to take care of unevenness in floor.
White Board	19	 Material of Board: Ceramic Steel Material of Frame: Anodized extruded Aluminium alloy hollow section of designation 63400 conforming to IS: 1285 Material of Back Cover: Galvanized steel sheets conforming to IS:277 Thickness and Material of back support (conforming to IS:12406): 9 mm Thickness of Back Cover: 0.5 mm Top surface coating thickness of sheet in mm: 0.4 millimeter % Gloss at 60 deg.head (min.): 80% for white color only Surface suitable for writing with: Dry marker ink for white board only



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		 9. Back surface coating thickness of sheet (min): 0.04 millimeter 10. Thickness and material of top steel sheet Having Vitreous Enameled coating on both side: 0.5 mm 11. Dimensional Parameter Dimensions of the Board in mm (width x height): 1000 x 1500 Wall thickness of Anodized Aluminium Frame (min) in mm: 1.2 mm There should be one set of 6 Pcs paper holding magnets for white board.
Almirah – Small	53	 It should have an overall size of 765mm (W) X 440mm (D) X 1270mm(H) with welded construction. It should have the shelf thickness of 0.7mm, Back thickness of 0.8mm and all other components shall be 0.9mm thick. These components should be made of CRCA 'D 'grade high yield strength as per IS: 513. The Almirah should have a three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting (3 nos.) which shall have a Uniformly Distributed Load capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10).
Almirah – Large	64	 It should have an overall size of 916mm (W) X 486mm (D) X 1980mm(H) with welded construction. It should have the shelf thickness of 0.7 mm, back thickness of 0.8mm, door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA 'D' grade high yield strength as per IS: 513. The Almirah should have a Mazak handle and three way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of



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		50 microns (+/- 10).
Demonstrator's Chair	52	1. The cushioned seat assembly Outer seat material should be of 30% glass fibre nylon& upholstered seat inner material should be poly propylene with moulded polyurethane foam & polyester fabric.
		The net back should be made up of material-glass fibre filled nylonand back inner material should be poly propylene and upholstered using polyester mesh fabric with high tenacity yarn.
		Full Back Size: 46.5 cm (W) x 60.0 cm (H)
		Seat Size: 51.0 cm. (W) x 49.0 cm (D)
		 High resilience polyurethane foam should be moulded with density of 45 +/- 2 kg/m³ and hardness load of 12 +/- 2 Kgf for 25% compression. Back spine: The support spine should be made up of high pressure die cast polished aluminium. Armrests: The armrest should have two adjustment. The height should be (6.0±0.5cm) and depth should be (6.0±0.5cm). Height adjustment should be provided in aluminium structure of armrest which should be connected to aluminium back spine and should be operated by button. The depth adjustment should be provided in pad which should be fixed to armrest structure. Armrest top should be made up of melded over plastic inner. Active bio-synchrony mechanism The adjustable tilting mechanism should be designed with the following features:
		 360° revolving type Front-pivot for tilt with feet resting on ground & continuous lumber support ensuring more comfort Tilt tension adjustment can be operated in seating position 5 Position tilt limiter giving option of variable tilt angle to the chair Seat / back tilting ratio of 1:2 The housing mechanism should be made up of high
		pressure die cast aluminium & black powder coated (dry film thickness is 40 to 60micron).
		6. Seat Depth Adjustment: The seat depth adjustment should



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		be integrated in the seat through a sliding mechanism. Seat depth adjustment range should be of 3.75±0.1. 7. Lumber Support Assembly: The lumbar support assembly should consist of lumbar spine (material-glass fibre filled nylon) which should be fixed to aluminium back spine. The lumbar pad (material- poly propylene) should be fixed to lumbar spine through lumbar pad support. Lumbar support assembly has height adjustment ff 5.0±0.5cm. 8. Pneumatic Height Adjustment: The pneumatic height adjustment has an adjustment stroke of 10.0 ± 0.3cm. 9. Pedestal Assembly with Castors: The pedestal should be high pressure die cast polished aluminium and fitted with 5 nos. twin wheel castors. The pedestal should be 65.0 ± 0.5cm. Pitch-centre dia. should be 75.0 ± 1.0cm with castors. 10. Twin Wheel Castors: The twin wheel castors should be injection moulded in black pp. having 6.0± 0.1cm wheel diameter. 11. Neck Rest Assembly: Theupholstered neck rest inner material should be polypropylene with moulded polyurethane foam and polyester fabric. Upholstered inner should be fixed to neck rest cover. Neck rest should be fixed to back assembly through neck rest spine. The neck rest assembly has height adjustment of 5.5 +/- 0.5cm and rotation adjustment of overall 20° +/- 2°. 12. Overall Dimensions of Chair Seat Height - Min 45.5 to max 55.5cm. Height - Min 95.5 to max 105.5 cm.
		Width & Depth of Chair as measured from pedestal - Width-75.0 cm and Depth-75.0 cm
Demonstrator's table	52	 The Main Desk with ERU (RHS) size shall be 1650 Width x 700 Depth x 743 Height (Main Desk) and 1000 Width X 450Depth X 743 Height (ERU). Top shall be of 18 mm thickness made of PLT board with 2 mm Edge banding. Wedge and savannah Maple PLT board shall be used. The Under structure shall be in pre-laminated panels made with PLT boards. 2- Drawer and 3 - Drawer storage units with different combinations to support tops made with 18 mm PLT boards.



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		Modesty and back panels made with 18 mm PLT boards. The pedestals / storages shall be fitted with necessary locks.
Stools	340	 Seat assembly: Ii should be circular type 0 30.0±0.5cm and made up of 0.1±0.012cm the Cr steel. It should be welded to the under structure and black powder coated (dry film thickness of 40-60 microns). Under structure assembly: The under structure should be made of Ms Tube 0 2.2±0.03cm x 0.16±0.0128cm the MS ERW tube. It should be welded to the Ms fabricated circular seat assembly and black powder coated (dry film thickness 40-60 microns). The under structure should be provided with black PP injection moulded ferrules. Overall dimensions of stool are: Width- 47.3 cm, Depth- 47.3cm, Seat Height-46.5cm
Computer Lab Chair	261	 The seat made from 1.2 ±0.1cm thick hot pressed plywood. Back should be injection moulded from black co-polymer polypropylene upholstered with fabric and moulded polyurethane foam together with seat and back covers. The back foam should be designed with contoured lumbar support for extra comfort. Seat size: 45.0cm (W) x 42.0cm. (D) Back size: 39.0cm (W) x 38.0cm. (H) Seat and Back Covers: The seat and back covers should be injection moulded in black co-polymer polypropylene. High Resilience Polyurethane Foam: The high resilience polyurethane foam should be moulded with density of 45 +/-2 kg/m³ and hardness load 16 ± 2 Kgf for 25% compression. Armrest Assembly: The armrests should be made of black integral skin polyurethane with 50-70 shore 'a' hardness and reinforced with MS insert. The PU armrests should be then fixed to black powder-coated (OFT 40-60 microns) armrest brackets made of 0.5 ± 0.05 cm. high resilience steel and fitted with claddings made of injection moulded polypropylene. Fixed Type Mechanism: The fixed type mechanism should be without back tilt. Tubular frame: The tubular frame should be made up of 2.54 ±0.03cm X 0.2 ±0.016cm thick MS ERW tube and black powder coated DFT 40-60 micron. Overall Dimensions of Chair



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		Coat Haight 40 5 am
		Seat Height -49.5cm.
		Height -88.5cm.
		Width & Depth of Chair as measured from pedestal - Width-56.0 cm and depth-54.0 cm.
Computer table for	41	1. Load Bearing Capacity Table Top: 40Kgs
lab		Shelf:15 Kgs
		Drawer: For keyboard and mouse
		2. Overall Size (+/-1 mm) Length: 900mm
		Width: 590mm
		Height: 745mm
		3. Raw Material (specs of laminations & thickness): 5 ply, 120 gsm, 16 BS
		PLB top: 25 mm for table top with 2.0 mm thick PVC lipping
		4. Metal Parts: MS ERW Tube, MS CRCA sheets & MS Bright Bar. Powder coated: 35 microns Minimum. Multi-colour Modest
Rack Almirah	4	 Overall size of 6 - Door PLU + LOCKAR (Base) shall be 380mm (W) x450mm (D) x1830mm (H). DMX Drg PL 13-A4-33797, R1 - 4 Sheets (Cam Lock) DMX Drg PL-13-A4-36467, R1-4 Sheets (Hasp.)
		3. Stack ability shall have add - on units that can be stacked width wise to form bank of lockers having common side panel.4. Locking shall have 10 Lever cam lock with lock lever plus option of hasp arrangement.
		option of hasp arrangement.5. Material shall be CRCA 0.6 mm thickness.
		6. Construction shall be Rigid Knockdown construction.
		7. Shelf shall be uniformly distributed load capacity per each shelf level is 35 Kgs maximum.
		8. Finish shall be epoxy polyester powder coated to the thickness of 50 microns.



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		 9. Handle/Label holder shall be aesthetically appealing Snap fit ABS plastic handle. Ventilation shall be attractive punched pattern for ventilation. 1. Overall Dimensions of openrack base unit shall be 900mm
Open Rack	16	 (W) X 316mm (D) X 1850mm (H). 2. Rigid Knockdown Construction. 3. Material used shall be CRCA 0.8 mm thick. 4. The Stack ability shall be add-on units can be stacked width wise to form a bank of racks having common side panel. 5. Number of adjustable shelf shall be five with six loading levels. 6. Uniformly distributed load capacity per each shelf is 80 kg maximum. 7. Shelf back stiffener at the rear end of the shelves shall be provided. Label holder & range indicator on each main unit for inserting labels.
Table-for- Innovation&Startup Cell	2	 The top shall be made from 25 mm thick pre- laminated board with 2 mmPVC edge beading. The understructure shall have side panels of 25 mmthick pre-laminated twin with 2 mm thick PVC lipping of same color onsides and 0.8 mm PVC lipping of matching coloron the bottom curve. TheModesty shall be made from 18 mm thick pre-laminated board with 0.8 mmPVC lipping of matching color. Centre Support Panel For 10 – Seatershall have panels made from 25 mm thick pre- laminated twin with 2 mmPVC lipping of matching color on sides and 0.8 mm PVC lipping of matching color on the bottom curve. The w/o wire management access flap and switch mounting tray made from matt silver anodized aluminum extrusion and plastic molded components to facilitate access of electrical / data voice sockets from top Powder coated switch mounting tray made from 0.8 mm and 1.2 mm MS sheet . Switches to be mounted on tray as per requirement. Wire manager REHAU made from RAU – PVC1309/7558. Dimension of table Length:2700mm Width:1500mm



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		Heigth:750mm
BOOK RACK	17	 The book rack shall have 4 compartments. The lockable book rack should have the configuration of 914mm (W) X 320mm (D) x1742mm (H). The Book Case shall be made from prime quality CRCA steel with anti-rusting treatment. It shall have a Rigid Knock down Construction. The top panel, back panel and side panel are made from 0.7mm high yield CRCA and other components from 0.8mm CRCA. Each door shall have a 6 Lever Cam Lock with Common Key. 3mm thick glass should be used in each door for clear inside vision which shall be secured in a metal frame through a rubber gasket.
		 8. Scissor mechanism should be provided in each door for receding inside the top of every compartment and it shall ensure parallel and smooth movement. 9. Each door should be provided with plastic side end caps as handle which is easy to grip. Each compartment shall have a storage shelf with a UDL capacity of max 80 Kg. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10).

Make (For all above items) :- Godrej, Wipro, Durian, Featherlite or equivalent



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SECTION VI-A: QUALIFICATION CRITERIA

(Referred to in Clause 13.3(b) of ITB)

Sr.	Questions
No	Questions
1	Is Minimum Financial Turnover for
	OEM/Manufacturer of Rs. 25 Crore
	 Authorized Supplier/Distributor of Rs. 5 Crore
	met in at least once of the last three years excluding current financial year?
2	Satisfactory delivery of similar goods/items of value not less than 100% of estimated
	contract value in last 3 years?
3	GST Number
	The bidder must have completed at least
4	a. one contract of value equal to estimated cost of this contract and
	b. two contracts of value greater than or equals to 50% of estimated cost this
	contract
	with similar types of items in the last three years. The list of all the institutes (IIT/NIT
	/IIM/IIIT etc.)/ Govt. Organizations, University etc. where similar items have been
	supplied by the bidder in the last three years should be attached with bid.
	Certificate to the affect is required to be submitted by the bidder undertaking that the
5	"price quoted is not more than the cost of the equipment (with same / similar
	specification and accessories)" which was sold to other govt. organization,
	Universities, Institutes during last one year.
6	The items should be installed, tested and commissioned by representative of
	supplier/company engineer at University College of Engineering & Technology,
	Bikaner to the satisfaction of respective department.