

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਡੱਬਵਾਲੀ ਰੋਡ ਬਠਿੰਡਾ-151001 (ਪੰਜਾਬ)

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD, BATHINDA-151001 (PUNJAB)

(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015 and approved under section 2(f) & 12(b) of UGC

Ref. No. MRSPT U/Purchase/23-24/3585

Dated: 12-02:2024

(Via E-mail Only)

To

- 1. Director, Technical Education & Industrial Training, Punjab, Chandigarh or his nominee (Nominee of BOG)
- 2. Associate Dean, Academic Affairs, MRSPTU.
- 3. Registrar, MRSPTU.
- 4. Head, Department of Civil Engineering. GZSCCET.
- 5. Officer-in-Charge (F&P), MRSPTU.
- 6. Prof. Incharge, IT Enabled Services, MRSPTU.
- 7. Two Professors from the University nominated by the Vice Chancellor:-
 - (a) Prof. (Dr.) Paramjit Singh, Deptt. of Computer Science & Engg.
 - (b) Prof. (Dr.) Sandeep Kansal, Deptt. of Physics.
- 8. Assistant Registrar (S&P), Member Secretary.

Sub: 23rd meeting of Tender Finalization Committee.

The meeting of Tender Finalization Committee will be held on dated 15-02-2024 at 12:30 P.M. through online mode. The google meet link will be sent one hour before the meeting through e-mail. You are requested to make it convenient to attend the same.

Encl: Agenda of 23rd TFC with Annexures.

Prof. Incharge (Purchase) MRSPTU, Bathinda

Copy to:

- 1. PA to Vice Chancellor, for the information of Hon'ble Vice Chancellor.
- 2. Master File.



BATHINDA

AGENDA

FOR THE 23rd MEETING

OF

TENDER FINALIZATION COMMITTEE

TO BE HELD AT

12:30 PM on 15 February 2024

Through Video Conference and

In person at MRSPTU, Bathinda



ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਡੱਬਵਾਲੀ ਰੋਡ, ਬਠਿੰਡਾ—151001 (ਪੰਜਾਬ) MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD, BATHINDA-151001 (PB.) (Established by Govt. of Punjab vide Punjab Act No. 5 of 2015 and approved under section 2(f) & 12(b) of UGC

Tender Finalization Committee Members (23rd Meeting)

| Sr. No. | Name of Committee Members | Designation |
|---------|--|-------------|
| 1. | Director, Technical Education & Industrial Training, Punjab, Chandigarh or his nominee (Nominee of BOG) | Member |
| 2. | Associate Dean, Academic Affairs | Member |
| 3. | Registrar | Member |
| 4. | Head, Department of Civil Engineering | Member |
| 5. | Officer-in-charge (F&P) | Member |
| 6. | Prof. Incharge, IT Enabled Services | Member |
| 7. | Two Professors from the University nominated by the Vice Chancellor, MRSPTU Bathinda:- (a) Prof. (Dr.) Paramjit Singh (b) Prof. (Dr.) Sandeep Kansal | Member |
| 8. | Assistant Registrar (S&P) | Member |
| | | Secretary |



ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਡੱਬਵਾਲੀ ਰੋਡ, ਬਠਿੰਡਾ−151001 (ਪੰਜਾਬ) MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWAU ROAD, BATHINDA-151001 (PB.)

DABWALI ROAD, BATHINDA-151001 (PB.)
(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015 and approved under section 2(f) & 12(b) of UGC

INDEX

| ITEM NO. | DESCRIPTION OF ITEM | PAGE NO. | ANNEXURE |
|-------------|---|-------------|---------------------------------|
| 23.1 | To confirm the minutes of 22 nd Tender | 1 | Annexure-I, Page No. 3 to 5 |
| | Finalization Committee. | | |
| 23.2 | Regarding purchase of equipments: | 1,2 | Annexure-II, Page No. 6 to 17 |
| (i) | Analytical Weighing Balance | | Annexure-III, Page No. 18 to 23 |
| (ii) | BOD Incubator | | Annexure-IV, Page No. 24 |
| (iii) | FTIR Spectrophotometer | | |
| (iv) | UV- Visible Spectrophotometer | | |
| (v) | Water Purification System | | |
| (vi) | Rotary Vacuum Evaporator | | |
| 23.3 | Any other item with permission of the chair. | 2 | |



ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਡੱਬਵਾਲੀ ਰੋਡ, ਬਠਿੰਡਾ–151001 (ਪੰਜਾਬ)

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY,
DABWALI ROAD, BATHINDA-151001 (PB.)
(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015 and approved under
section 2(f) & 12(b) of UGC

AGENDA

Item No. 23.1 To confirm the minutes of 22nd Tender Finalization Committee.

The 22nd meeting of Tender Finalization Committee of Maharaja Ranjit Singh Punjab Technical University, Bathinda were held online (google meet) on 27-07-2023. The minutes were circulated to all the members via email vide ref. no. MRSPTU/Purchase/23-24/3470 dated 31-07-2023. No comments were received from any member of committee, so the minutes of 22nd TFC is placed at (Annexure-I, Page No. 3 to 5) for conformation.

Item No. 23.2 Regarding purchase of equipments sanctioned under FTL grant-in-aid from MoFPI during third phase of procurement for Deptt. of Food Science & Technology of MRSPTU Bathinda.

The grant in- aid of Rs. 2,53,12,000/- was sanctioned by Ministry of Food Processing Industries (MoFPI), Govt. of India for purchase of equipments. Initially, two installments of Rs. 99,32,000/- (first installment) and 91,93,926/- (second installment) released by MoFPI were spent and utilization certificate has also been sent to MoFPI. The following equipments are to be purchased from the balance amount already sanctioned.

- (i) Analytical Weighing Balance
- (ii) BOD Incubator
- (iii) FTIR Spectrophotometer
- (iv) UV- Visible Spectrophotometer
- (v) Water Purification System
- (vi) Rotary Vacuum Evaporator

The budget of Rs. 55,65,000/- (Online Sanctions attached) for the same is available from the third installment in project bank account (Annexure-II Page No. 6 to 17). The specifications of all the equipments duly signed by

approved committee have been attached (Annexure-III Page No. 18- to 23). The administrative as well as financial approval has been accorded vide Memo No. 34 dated 07-02-2024 from Deputy Director, TE&IT, Punjab, Chandigarh (Annexure-IV Page No. 24). The purchase shall be done through GeM Portal as far as possible.

The matter is placed before the Tender Finalization Committee for approval.

Item No. 23.3 Any other item with permission of the chair.



ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਡੱਬਵਾਲੀ ਰੋਡ ਬਠਿੰਡਾ–151001 A RANJIT SINGH PUNJAB TECHNICAL UNI DABWALI ROAD, BATHINDA 151801 (PUNJAB)

Dated: 31-07-2023

(Via E-mail Only)

To

- Director, TE&IT, Punjab, Chandigarh or his nominee (Nominee of BOG) 1. (Smt. Sangeeta Goyal, Dy. Director)
- Associate Dean, Academic Affairs, MRSPTU (Dr. Kawaljeet Singh Sandhu) 2.
- Registrar, MRSPTU (Dr. Gurinder Pal Singh Brar) 3.
- Head, Department of Civil Engineering. GZSCCET (Dr. Balkrishan) 4.
- Officer-in-Charge (F&P), MRSPTU (Dr. Harish Kumar Garg) 5.
- Prof. Incharge, IT Enabled Services, MRSPTU (on behalf of) (Dr. Munish Jindal) 6.
- Two Professors from the University nominated by the Vice Chancellor:-7.
 - (a) Prof. (Dr.) Paramjit Singh, Deptt. of Computer Science & Engg.
 - (b) Prof. (Dr.) Sandeep Kansal, Deptt. of Physics.
- 8. Controller of Examinations (Dr. Karanvir Singh)
- Director, Public Relations (Sh. Harjinder Singh Sidhu) 9.
- Member Secretary: Deputy Registrar/Assistant Registrar (S&P) in case of S&P 10. (Smt. Gitika Sood, AR)

Minutes of 22nd meeting of Tender Finalization Committee. ਵਿਸ਼ਾ

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਮਿਤੀ 27–07–2023 ਦੂਪਹਿਰ 12:30 ਵਜੇ online mode ਵਿਚ ਹੋਈ Tender Finalization Committee ਦੀ 22nd meeting ਦੇ Minutes of Meeting ਦੀ ਕਾਪੀ ਇਸ ਪੱਤਰ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਈ-ਮੇਲ ਰਾਹੀ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।

ਨੱਥੀ: Minutes of 22nd Meeting of TFC.

Prof. Incharge (Purchase) MRSPTU Bathinda

ਇਸ ਦਾ ਇੱਕ ਉਤਾਰਾ ਮਾਨਯੋਗ ਉਪ-ਕੁਲਪਤੀ, ਐਮ.ਆਰ.ਐਸ.ਪੀ.ਟੀ.ਯੂ., ਬਠਿੰਡਾ ਜੀ ਨੂੰ ਜਾਣਕਾਰੀ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ।





ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

ਡੱਬਵਾਲੀ ਹੋਡ. ਬਠਿੰਡਾ-151001 (ਪੰਜਾਬ) AHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD, BATHINDA-151001 (PUNJAB)

(Established by Govt. of Punjab vide Punjab Act No. 5 of 2015 and approve

Ref. No. MRSPT U/Purchase 23-24 34 70

Dated: 31-07-2023

MINUTES OF MEETING

22nd meeting of Tender Finalization Committee (TFC) of MRSPTU was held online (google meet) on dated 27-07-2023 (Thursday) at 12:30 PM. The following members attended the meeting:

| Sr. No. | Committee Members | Designation |
|---------|--|---------------------|
| 1. | Director, Technical Education & Industrial Training, Punjab, Chandigarh or his nominee (as a Nominee of the BOG) Smt. Sangeeta Goyal, Deputy Director O/o DTE&IT, Punjab, Chandigarh. | Member |
| | (Jointed the meeting online) | |
| 2. | Dr. Kawaljeet Singh Sandhu, Associate Dean, Academic Affairs, MRSPTU, Bathinda | Member |
| 3. | Dr. Gurinder Pal Singh Brar, Registrar, MRSPTU Bathinda | Member |
| 4. | Dr. Balkrishan, Head, Department of Civil Engineering | Member |
| 5. | Dr. Harish Kumar Garg, Officer-in-charge (Finance & Purchase) | Member |
| 6. | Dr. Munish Jindal (on behalf of) Prof. Incharge, IT Enabled Services | Member |
| 7. | (a) Dr. Paramjeet Singh, Professor, Dept. of Computer Science & Engg.(b) Dr. Sandeep Kansal, Head, Deptt. of Physics(Two Professors from the University nominated by the Vice Chancellor, MRSPTU Bathinda) | Member |
| 8. | Dr. Karanvir Singh, Controller, Examinations Branch | Indentor |
| 9. | Sh. Harjinder Singh Sidhu, Director, Public Ralations | Indentor |
| 10. | Mrs. Gitika Sood, Assistant Registrar (F&P) (in case of Store & Purchase) | Member Secretary |





The items were deliberated in detail and following decision were taken:

| Item No. | Name of Item | Decision taken |
|----------|---|---|
| 22.1 | To confirm the minutes of 21st Tender | |
| | Finalization Committee of University held | |
| | on 11-04-2023. | |
| 22.2 | Regarding printing of DMCs for | Approved. |
| | Examination Branch of MRSPTU | |
| | Bathinda for amounting Rs. 4.00 Lac. | |
| 22.3 | Regarding Disposal of used Answer Books | Approved. |
| | (Approximate Weight 12-13 Ton) and Old | The Mid Semester Test answer sheets laying in the |
| | Gatta (Gunny or Jute Bag) (Approximate | department or any other paper material is to be |
| | Qty. 2000) of Examination Branch, | disposed-off alongwith the university answer sheets. |
| | MRSPTU Bathinda. | processing with the university allower sheets. |
| 22.4 | Regarding Hiring of Services of Advertising | Approved. |
| | Agencies for E-tendering. | •• |
| | Ŭ | The matter with discussed in detail. The present procedure of giving advertisement was also |
| | | Barres automone was also |
| | | discussed. Presently the advertisement is given |
| | | through DPRO, Chandigarh. It is observed that |
| | | DPRO, Chandigarh does not deal with all the |
| | | newspapers and gives advertisement in only selected |
| | • | newspapers. This leads to delay in giving |
| | | advertisement, so it was decided that e-tender may be |
| | | given for empanelment. Advertisement shall be given |
| | | through the DPRO, Chandigarh or the empanelled |
| | | agencies wherever it is economical & faster. |

Meeting ended with thanks to all.

Submitted for approval.

Asstt. Registrar (F&P) cum - Member Segretary

Prof. Incharge (Purchase)

Registrar, MRSPTU, Bathinda



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

Administrative & Financial Approval

Sanction NO: UNIV/2023-24/MoF/0005

Dated: Jul 10, 2023

1.Name OF Campus/Deptt./Section: MoFPI

2.Name OF Item(s) to be Procured:

| Yo | Hame of items with detailed Generic Specifications(s)(if required use Separate Sheet) | Quantity | Tax(if any)* an estimate from the firm | Estimated cost of | Indigenous/imported item(s) |
|----|---|----------|--|----------------------|--------------------------------|
| | | 1 | ₹ 3 10 000.000 | ₹ 3,10,000.000 | Indegenious |
| 4 | Analytical Balance | 1 1 | ₹ 3,10,000.00€ | ₹3,10,000.000 | |

* In Case of repair:Specify Clearly Whether item is Under Guarantee/Warranty(If any). Yes/No.

2(a)Please Select Whether the Item is: (i) Recurring

(ii) Non-Recurring (Ii)

3 Justification Of Proposed procurement.

Purchase for MOFPI Grant for establishment of Food testing lab

4. Mode Of Proposed Procurement (Tick whichever is applicable).

i. Govt. E-Marketplace Portal (GeM).

II. If not through GeM, then Mention the reason

(Сору

Attached).

Select the mode from below mentioned options:

- a. Upto ₹1.99 Lakh by Calling Quotations through registered/Speed Post.
- b. Through Rate Contract entered by the University.
- c. As Proprietary Item.
- d. Through e-tendering.

t is Certified that: this is not a Split Purchase.





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|--|--|---|
| gnature: | Signature: | |
| | Name Of Indentor: | |
| ame of Lab/Section Incharge: | • | |
| 6. Ankita Kataria | Rajinder Singh Smagh- | |
| aartiida ta ja ja ka | TXE10112 | |
| esignation: ASSL. Professe | Designation: Sy, Tech | migical For |
| esignation: IT 300 Tref 520 P | | |
| and item(s) are available/not | available in the Central Store(not required | in the case of books, medicines |
| nd repairing Work.) | | (30- |
| National Commence of the Comme | · | Store Keeper |
| | | |
| | Proposal Lab Equipment Pr | roject Name: |
| _{s.Availability Of Fund:} Budget He | ead: 208001 - Lab Equipment Pr | (1) (1) (1) (1) (1) (1) (1) (1) (1) (1) |
| | ± 4.04.00.005.00 | |
| a. Budgetary Provision,as Per allocation | 0n: ₹ 1,04,00,903.00 | |
| b. Less:funds already utilized during y | ear. Co.oo | · · · · · · · · · · · · · · · · · · · |
| C Available fund: ₹ 1,04,88,905.00 | proposal: ₹ 3.10.000.00 | |
| c Available fund. ₹ 1,6 1,6 1,6 1,6 1,6 1,6 1,6 1,6 1,6 1,6 | n | , hto |
| e Balance available: ₹ 1,01,78,905.0 | | Amandrepto |
| ₁ And Guyback amount: NA | | A we |
| | | Departmental Clerk |
| | | • |
| 7.Following committee is recommende | ed for nurchase/procurement. | **. |
| 7.Following committee is recommend | | |
| L indentor: Rajinder Singh Smagh-T | XE10112 HOD (chairman) Por Kau | 0.0 50 |
| | HOD (chairman) Por Kau | wolft 3 |
| | THE DELOW LIGHTER OF THE PARTY | |
| Disaster/Director of Constituent Co | ollege (as the case may be) | |
| act 1-/Naminatod | by Finace Officers to I have a Common a Common and a common a common and a common a common and a common and a common and a | 7 |
| Wominee Of Purchase (Nominated | by PI(S&P)) Mrs Cycli LL 3 | |
| Materiac recation Committee Will CO | nsist of the members mentioned at Sr. N | ło. I,II,III. |
| M. Special committee | | |
| WW (D) | | |
| HOD/Section Incharge/PI | · | |
| en de la companya del companya de la companya del companya de la c | Recommended by Campus Directo | or/Director of Constituent College |
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| Recommended for approval | <u> </u> | |
| | · | REGISTRA |
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| | • | |
| | • | A / FaM :- |
| Approved/Ne t Approve d | • | Midly |
| Approved/Ne t Approved | | VICE CHANCELLO |

UNIV/2023-24/MoF/0005





MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

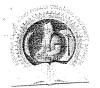
(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

Administrative & Financial Approval

| | on NO: UNIV/2023-24/ | /MoF/0001 | 6 · | | Dated: Jan | 12, 202 |
|---------------------|--|--|--|------------------------------------|---------------------|---------|
| Jame | OF Campus/Deptt./§ | Section: M | loFPI | | | |
| (a) | | | | ger Department | | |
| lame | OF Item(s) to be Pro | ocured: | ded grand to be a substantion | | | |
| | Name of items with detailed Generic | Quantity | | Estimated cost | Indigenous/imported | |
| Sr. No | Specifications(s)(if required use Separate Sheet) | to Procure | Tax(if any)* an estimate from the firm should be inclosed. | * | item(s) | |
| 1-1- | BOD Incubator | 1 | ₹ 3,00,000.000 | ₹ 3,00,000.000 | Indegenious | |
| Tota | | | | ₹ 3,00,000.000 | | |
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| | icupator for Morel File | oject in Foo | od Science & Ted | chnology | | |
| Mode | Of Proposed Procu | | | | | |
| | | rement (Ti | ck whichever is | | | |
| 1. C | Of Proposed Procui | rement (Ti ortal (GeM | ck whichever is | | | |
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| Signature: | Signature: Bandyurd | |
|--|--|-----------------|
| Name of Lab/Section Incharge: | Name Of Indentor: Dr. | |
| | Barinderjeet Singh Toor- | |
| Dr. Kawaljit Singh Sandhu | FDT10025 | |
| Designation: Profusor | Designation: Assistant Professon | |
| | t available in the Central Store(not required in the case of | |
| 5.The above said item(s) are availablement books,medicines and repairing Work.) | 00- | |
| pooks, medicine | Store Keeper | i ÷ |
| | | |
| Pridact Hea | id: 208001 - Lab Equipment Project Name: | |
| 6.Availability Of Fund: Budget Hea | | |
| a. Budgetary Provision,as Per allocati | ion: ₹ 1,57,56,905.00 | |
| b. Less:funds already utilized during y | year: ₹ 1,54,43,904.24 | |
| c ∆vailable fund: ₹ 3,13,000.76 | | |
| d. Less:Estimated amount of present | proposai: < 3,00,000.00 | |
| e. Balance available: ₹ 13,000.76 f. Add:Buyback amount: NA | ing the state of the second | |
| 1, Aug. Daybaan ame | Mandel of the control | |
| | Departmental Clerk | |
| | | |
| 7.Following committee is recommended | graphic control to the state of | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated | bor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gorden by PI(S&P)) 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated | bor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gorden by PI(S&P)) 1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
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| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated | bor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gandard by PI(S&P)) & Described nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | bor-FDT 10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gandap by PI(S&P)) & Dandap msist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | bor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gandard by PI(S&P)) & Described nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee III. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his Nominee | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | \mathcal{L} |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his NomineeIII. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | \mathcal{L} |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his NomineeIII. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | SC , Q C |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his NomineeIII. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 cont(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gaynday by PI(S&P)) L. Daynday maist of the members mentioned at Sr. No. I,II,III. Recommended by Campus Director/Director of Constituent College. REGISTRAR Allanced by B. O VICE CHANCELLOR | S2 , q () 8/2/ |
| I. Indentor: Dr. Barinderjeet Singh To II. HOD/Incharge/or his NomineeIII. One member from other departme Campus Director/Director of Const IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated Note:Inspection Committee will con HOD/Section Incharge/PI | cor-FDT10025 (chairman) ent(not below the rank of lab Suptd) to be Nominated by Registrar/ tituent College (as the case may be) by Finace Officer) St. Gander by PI(S&P)) L. Danner nsist of the members mentioned at Sr. No. I,II,III. | S2 1 8/2/ |





MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

Administrative & Financial Approval

| | n NO: UNIV/2023-24/ | | | | | |
|------------------------|---|--|--|--|---------------------------------|-----|
| lame | OF Campus/Deptt./\$ | Section: M | IOFPI | | | |
| lame | OF Item(s) to be Pro | ocured: | | | | |
| Sr. No | Name of items with detailed Generic Specifications(s)(if required use Separate Sheet) | Quantity | Estimated Unit Cost(Rs.) Inclyusive Tax(if any)* an estimate from the firm should be inclosed. | Procurement (Rs) inclusive tax(if any) | Indigenous/imported item(s) | |
| 1 | FTIR | 1. | ₹ 12,06,000.000 | ₹ 12,06,000,000 | Indegenious | |
| Tota | 1 | | | ₹ 12,06,000.000 | // /Warranty(If any). Yes/No | |
| Justi | ease Select Whether | d procure | ment. | | ii) Non-Recurring | |
| .Justi | | d procure | ment. | | ii) Non-Recurring | |
| .Justi | ification Of Propose | d procure | ment. | | ii) Non-Recurring | |
| Justi TIR f | ification Of Propose | d procure | ment. B & Technology | | | |
| Justi TIR f | ification Of Proposed | d procured od Science urement (* | ment. e & Technology Tick whichever | | | |
| Justi TIR f | ification Of Proposed for Mofpi Project in Follow Proposed Proc Govt. E-Marketplace | d procured od Science urement (*) Portal (Gehen | ment. e & Technology Tick whichever | | | 100 |
| Justi TIR f .Mod | ification Of Proposed for Mofpi Project in Follow Proposed Proc Govt. E-Marketplace | d procured od Science urement (*) Portal (Gehen | ment. e & Technology Tick whichever | | | (Cc |
| Justi TIR f | ification Of Proposed or Mofpi Project in Fo | d procured od Science urement (*) Portal (Gehen | ment. e & Technology Tick whichever | | | (Cc |
| Justi TIR f | ification Of Proposed or Mofpi Project in Formation Project in Formation Proposed Proces of Proposed Proces | d procured od Science urement (** Portal (Gehen | ment. E & Technology Tick whichever is M). | s applicable). | | (Co |
| Justi TIR f | ification Of Proposed or Mofpi Project in Four Mofpi Project in Four Mention the reason_Attached). | d procured od Science urement (** Portal (Gehen | ment. E & Technology Tick whichever is M). | s applicable). | | (Ca |
| Justi TIR f | ification Of Proposed or Mofpi Project in Form Mofpi Project in Form Mention the reason_ Attached). Select the mode from a. Upto ₹1.99 La | urement (Portal (Ge | ment. E & Technology Tick whichever is M). mentioned optioning Quotations the | is applicable). ins: rough registered/ | | (Cc |
| Justi TIR f | ification Of Proposed or Mofpi Project in Formation Project in Formation Proposed Proces of Proposed Proces | d procured od Science urement (** Portal (Gehen ** hen below to the contract of the contract o | ment. E & Technology Tick whichever is M). mentioned optioning Quotations the | is applicable). ins: rough registered/ | | (Co |

It is Certified that: this is not a Split Purchase.

| Signature: | Signature: <u>Barin</u> | yu8 | 11) |
|--|---|---------------------------------|--|
| Name of Lab/Section Incharge: | Name Of Indentor: Dr. | <i>U</i> , | ر مرب |
| Dr. Kawaljit Singh Sandhu | Barinderjeet Singh Toor- FDT10025 | | |
| Designation: hobuson | Designation: ASSIS | tant Professos | - |
| 5.The above said item(s) are available/not a | lable in the Central Store(not re | equired in the case of | |
| | | Store | Keeper |
| 6.Availability Of Fund: Budget Head: 2 | 08001 - Lab Equipment | Project Name: | od. _{Pr} ivyje w ciędziją i mar i w die wood |
| a. Budgetary Provision,as Per allocation: ₹ b. Less:funds already utilized during year: ₹ c. Available fund: ₹ 49,68,000.76 d. Less:Estimated amount of present proportions. e. Balance available: ₹ 37,62,000.76 f. Add:Buyback amount: NA 7.Following committee is recommended for I. Indentor: Dr. Barinderjeet Singh Toor, ₹ II. HOD/Incharge/or his Nominee III. One member from other department(not Director/Director of Constituent College IV. Nominee Of Accounts(Nominated by Find V. Nominee Of Purchase(Nominated by PI) Note:Inspection Committee will consist of HOD/Section Incharge/PI | T10025 (chairman) below the rank of lab Suptd) to (as the case may be) ace Officer) & Goy and a (S&P)) & Ballow | P3 | Treatment of the second property of the secon |
| Rec | commended by Campus Direc | ctor/Director of Constituent | Coliege. |
| Recommended for approval | | Surde 1 | elstrar |
| Approved/Not Approved | / | vet appointed | • |
| | | T VICE CHANG | CELLOR |
| U | NIV/2023-24/MoF/00012 | broved by ch b. O. G. detter | sidonan Meno N |
| | | de 1 7/2 | /24 |





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MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

Administrative & Financial Approval

Sanction NO: UNIV/2023-24/MoF/00014

Dated: Jan 09, 2024

1.Name OF Campus/Deptt./Section: MoFPI

2.Name OF Item(s) to be Procured:

| Sr. No | OF Item(s) to be Pro Name of items with detailed Generic Specifications(s)(if required use Separate Sheet) | | Inclyusive Tax(if any)* an estimate from | Total Estimated cost of | Indigenous/imported item(s) |
|-----------|--|---|--|-------------------------------|--------------------------------|
| | | | inclosed. | | 1 at 2 2 2 |
| 1 | UV Visible | 1 | ₹ | ₹ | Indegenious |
| | Spectrophotometer | | 13,33,000.000 | 13,33,000.000 | |
| | Ороскорносоност | + | | ₹ | |
| Total | | | | 13,33,000.000 | |

^{*} In Case of repair:Specify Clearly Whether item is Under Guarantee/Warranty(If any). Yes/No.

| 3.Justification | Of Proposed | procurement. |
|-----------------|-------------|--------------|

2(a)Please Select Whether the Item is: (i) Recurring \Box

(ii) Non-Recurring

| | | | | | | | . 1 | |
|---------|------------|--------------|----------------|----------------|-------------|-------|--------|--|
| | | | " for Mofni Di | roject in Foo | d Science & | lechr | nology | |
| IV Vi | sible Spec | trophotomete | it for morbin. | Oject III i oo | u 00,0,,,, | | | |
| _ , , , | | • | | | | | | |
| | | | | | | | | |
| | | | | | | 100 | | |
| | | | | | • | | | |
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4. Mode Of Proposed Procurement (Tick whichever is applicable).

- I. Govt. E-Marketplace Portal (GeM).
- il. If not through GeM, then

Mention the reason

(Copy

Attached).

Select the mode from below mentioned options:

- a. Upto ₹1.99 Lakh by Calling Quotations through registered/Speed Post.
- b. Through Rate Contract entered by the University.
- c. As Proprietary Item.
- d. Through e-tendering.

| | Signature: Baw dyust |
|---|--|
| Name of Lab/Section Incharge: | Name Of Indentor: Dr. |
| Dr. Kawaljit Singh Sandhu | Barinderjeet Singh Toor- |
| | FDT10025 |
| Designation: PhobUson | Designation: Assistant Profusion |
| 5.The above said item(s) are available/not ava | ailable in the Central Store(not required in the case of |
| pooks,medicines and repairing Work.) | (au |
| | Store Keeper |
| 5.Availability Of Fund: Budget Head: : | 208001 - Lab Equipment Project Name : |
| | • |
| a. Budgetary Provision, as Per allocation: | |
| b. Less:funds already utilized during year:c. Available fund: ₹ 24,17,000.76 | ₹1,30,39,904.24 |
| d. Less:Estimated amount of present prop | osal: ₹ 13,33,000.00 |
| e. Balance available: ₹ 10,84,000.76 | |
| f. Add:Buyback amount: NA | + 1/01/2 |
| | Many 20 3 Hours |
| | Departmental Clerk |
| .Following committee is recommended for | r purchase/procurement. |
| I. Indentor: Dr. Barinderjeet Singh Toor- F ∯ | 並10025 |
| II. HOD/Incharge/or his Nominee | (chairman) |
| III. One member from other department(not | t below the rank of lab Suptd) to be Nominated by Registrar/ Campus |
| Director/Director of Constituent College | (as the case may be) |
| IV. Nominee Of Accounts(Nominated by Fin V. Nominee Of Purchase(Nominated by PI) | lace Officer) Li Kaclpul (|
| | · · |
| | |
| Note: Inspection Committee will consist of | of the members mentioned at Sr. No. I,II,III. |
| Who have the same of the same | of the members mentioned at Sr. No. I,II,III. |
| Who have the same of the same | |
| OD/Section Incharge/PI | -A/I A- |
| OD/Section Incharge/PI | |
| OD/Section Incharge/PI | -A/I A- |
| OD/Section Incharge/PI | commended by Campus Director/Director of Constituent College. |
| OD/Section Incharge/PI | commended by Campus Director/Director of Constituent College. |
| OD/Section Incharge/PI Received the second | -A/I A- |
| OD/Section Incharge/PI Rec | commended by Campus Director/Director of Constituent College. Sunda Par REGISTRAR |
| OD/Section Incharge/PI | commended by Campus Director/Director of Constituent College. Sunda Par REGISTRAR |
| OD/Section Incharge/PI Rec | commended by Campus Director/Director of Constituent College. |

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MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY,BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

<u> Administrative & Financial Approval</u> Dated: Jan 09, 2024 Sanction NO: UNIV/2023-24/MoF/00013 eper: 1.Name OF Campus/Deptt./Section: MoFPI 2.Name OF Item(s) to be Procured: Estimated Unit Cost(Rs.) Name of items with Estimated cost Inclyusive Indigenous/imported detailed Generic Quantity Sr. Tax(if any)* an Specifications(s)(if to item(s) Procurement estimate from No Procure (Rs) inclusive required use the firm should Separate Sheet) tax(if any) be inclosed. erk Indegenious ₹ 13,45,000.000|₹ 13,45,000.000 Water Purification 1 System ₹ 13,45,000.000 * In Case of repair:Specify Clearly Whether item is Under Guarantee/Warranty(If any). Yes/No. (ii) Non-Recurring 2(a)Please Select Whether the Item is: (i) Recurring \Box 3. Justification Of Proposed procurement. Water Purification System for Mofpi Project in Food Science & Technology 4. Mode Of Proposed Procurement (Tick whichever is applicable). I. Govt. E-Marketplace Portal (GeM). II. If not through GeM, then (Сору Mention the reason Attached). Select the mode from below mentioned options: a. Upto ₹1.99 Lakh by Calling Quotations through registered/Speed Post.

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d. Through e-tendering.

c. As Proprietary Item.

It is Certified that: this is not a Split Purchase.

b. Through Rate Contract entered by the University.

| Signature: | Signature: Sau | royus (5) | V |
|--|--|--|--|
| Name of Lab/Section Incharge: | Name Of Indentor: Dr. | | 7 780V |
| Or. Kawaljit Singh Sandhu | Barinderjeet Singh Toor- | | amendo menting at the best of |
| | FDT10025 | o P | pagastrone entra |
| Designation: Phof Uso h | Designation:A \ \ \ \ \ | 1stant Professon | compression and conferning in the production of the least |
| 5.The above said item(s) are available/n | ot available in the Central Store(not | required in the case of | nga passanningane |
| books,medicines and repairing Work.) | | (wan_ | - Carponent Carp |
| | | Store Keepe | r |
| 6.Availability Of Fund: Budget H | ead: 208001 - Lab Equipment | Project Name: | |
| a. Budgetary Provision,as Per alloca | ition: ₹ 1,54,56,905.00 | | |
| b. Less:funds already utilized during c. Available fund: ₹ 37,62,000.76 | year: ₹ 1,16,94,904.24 | | |
| d. Less:Estimated amount of presen | t proposal: ₹ 13,45,000.00 | | |
| e. Balance available: ₹ 24,17,000.76 | | ` | |
| f. Add:Buyback amount: NA | | 10 x Your | |
| | | Manyerd Departmental Cler | ·k |
| | | Dopar | |
| II. HOD/Incharge/or his Nominee III. One member from other departm Director/Director of Constituent C IV. Nominee Of Accounts(Nominated V. Nominee Of Purchase(Nominated | ollege (as the case may be) I by Finace Officer) | to be Nominated by Registrar/ Campus | 5 |
| Note:Inspection Committee will co | | at Sr. No. I,II,III. | |
| | | | |
| HOD/Section Incharge/PI | _NA- | | |
| | Recommended by Campus Di | rector/Director of Constituent College | e. |
| Recommended for approval | | Jude P | 1 |
| | | REGISTRA | R |
| Ad/Alfa4 Aad | | | |
| Approved/Not Approved | | Not offended | |
| | 11 | VICE CHANCELLO | R |
| • | affrad | Not affanted VICE CHANCELLO Setter memo No 39 Isled 727 | |
| | UNIV/2023-24/MoF/00013 P | Ided 72 | |
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MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

SANCTION REQUISITION FORM FOR PURCHASE AND PROCUREMENT (Beyond ₹1:00 Lakh)

DURING FINANCIAL YEAR 2023-24

109

(Please note that for any purchase more than Rs.1 Lac, it should be approved by Central Purchase Commtitee before proceeding further)

Administrative & Financial Approval

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Sanction NO: UNIV/2023-24/MoF/00015

Dated: Jan 09, 2024

1.Name OF Campus/Deptt./Section: MoFPI

2.Name OF Item(s) to be Procured:

| òr. Io | Specifications(s)(if | Quantity | Cost(Rs.) Inclyusive Tax(if any)* an estimate from the firm should | Estimated cost of Procurement (Rs) inclusive | Indigenous/imported item(s) |
|-----------|----------------------|----------|--|--|--------------------------------|
| | | 1 | be inclosed. ₹ 10.71.000.000 | ₹ 10,71,000.000 | Indegenious |
| 1 | Rotary Evaporator | | (10,71,000.000 | ₹ 10,71,000.000 | |

* In Case of repair:Specify Clearly Whether item is Under Guarantee/Warranty(If any). Yes/No.

| 2(a)Please Select Whether the Item is: (i) Recu | ring 🗆 (ii) Non-Recurring |
|---|---------------------------|
| 3. Justification Of Proposed procurement. | |

Rotary Evaporator for Mofpi Project in Food Science & Technology

4. Mode Of Proposed Procurement (Tick whichever is applicable).

- I. Govt. E-Marketplace Portal (GeM).
- II. If not through GeM, then

Mention the reason_

(Сору

Attached).

Select the mode from below mentioned options:

- a. Upto ₹1.99 Lakh by Calling Quotations through registered/Speed Post.
- b. Through Rate Contract entered by the University.
- c. As Proprietary Item.
- d. Through e-tendering.

It is Certified that: this is not a Split Purchase.

16

| Signature: | | Signature: | ni oyers | 17 |
|--|---|--|-----------------------------|-------------------|
| Name of Lab/S | ection Incharge: | Name Of Indentor: | : Dr. | |
| Dr. Kawaljit Sing | gh Sandhu | Barinderjeet Singh | Toor- | 9.2 |
| | Ď. | FDT10025 | ٨ | |
| Designation: | Profeson | Designation: | ssistant Pao | Lesson |
| 5.The above sa | id item(s) are available/r | not available in the Central Stor | (| |
| | s and repairing Work.) | | or the same of the same of | Dank |
| * | | | | Store Keeper |
| | | | e e | |
| 6.Availability O | f Fund: Budget H | lead: 208001 - Lab Equipment | Project Name: | |
| - . | y Provision,as Per alloca | | | |
| | Is already utilized during fund: ₹ 10,84,000.76 | year: ₹ 1,43,72,904.24 | | - |
| | | t proposal: ₹ 10,71,000.00 | | |
| | available: ₹ 13,000.76 | • | | |
| r. Add:Buyb | eack amount: NA | | . | Janjer Jour |
| | | | | partmental Clerk |
| 7 Fallandon | | land for a second of | | |
| 7.Following col | militee is recommend | ed for purchase/procuremen | ıt. | |
| II. HOD/Inch III. One mem Director/D IV. Nominee | Director of Constituent Co Of Accounts(Nominated | corrections (chairman (cha | uptd) to be Nominated by Re | gistrar/ Campus |
| Note:Inspect | ion Committee will con | nsist of the members mentio | ned at Sr. No. I,II,III. | |
| HOD/Section In | charge/PI | | | |
| nob/occion in | chaige/i i | _NA | . / | Ą |
| | | Recommended by Campu | s Director/Director of Cons | stituent College. |
| Recommended | for approval | | Sud | REGISTRAR |
| Approved/Not A | approved | | 11 4 011 | - h. d |
| | | | vice of by b. O. Co | CHANCELLOR |
| | | Mar | ed by B.O.C | i chairm. |
| <i>y.</i> | | VE TO ME. UNIV/2023-24/MoF/00015 | no vojy otte a | 1 ted 72 |
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,这是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们也会会会会,我们就是一个人,我们就是一个人,我们就是一个人, 我们也是是一个人,我们就是我们,我们就是一个人,我们就是我们的一个人,我们就是我们的一个人,我们也是我们的一个人,我们也是我们的一个人,我们就是一个人,我们就是

Annexure

Technical Specifications of Equipment's

1. Analytical Weighing Balance

| S. No. | Description | Technical Details |
|--------|-----------------------|-------------------------------------|
| 1. | Capacity | |
| 2. | Graphic display | 6.1gm, 10.1gm, 61gm Black and White |
| 3. | Salient features | User Management |
| 4. | Display Size | 4.3 |
| 5. | Operating Temperature | Any Value |
| 6. | Readability | Any Value |
| 7. | Conformity to ISO | ISO 9001 |
| 8. | Conformity to CE | Yes |
| 9. | Operation | Keys |
| 10. | Display Type | LCD |

2. BOD Incubator

| S. No. | Description | Technical Details |
|--------|--|---|
| 1. | Optional features available in bod incubator | Exterior Mild Steel Powder Coated |
| 2. | Features available in BOD Incubator | Toughened glass window, Air circulation fan, Removable tray, Temperature sensor |
| 3. | Air circulation | Door hinges Axial Fan |
| 4. | Exterior body material | Mild Steel and Painted in Epoxy Powder Coating |
| 5. | Inner door material of removable tray | Toughed Glass |
| 6. | Chamber capacity (in Itr) | 250-299, 300-349 |
| 7. | Diameter of stainless steel wire in mesh (in mm) | NA |
| 8. | Warranty (in year) | 1 |
| 9. | Temperature Range | 5°C to 60°C |
| 10. | No. of Trays | 3 |
| 11. | Material of Removable Trays | <u> </u> |
| 12. | Insulation material | Perforated Stainless Steel Tray Glass wool |
| 13. | Outer door material | Mild Steel |
| 14. | Thickness of sheet (in mm) | 1.0 |
| 15. | Temperature Accuracy | ± 0.5°C |
| 16. | Temperature Uniformity | ± 1°C |
| 17. | Thickness of Toughed Glass/Acrylic Sheet (in mm) | Any Value |

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5. Livour

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B Randyer &

3. FT-IR Spectrophotometer

| S. No. | Description | Technical Details |
|--------|--------------------------|---|
| 1. | Basic System: | High performance high resolution software controlled |
| 2. | Spectral Range: | 7800 to 350 cm ⁻¹ or better |
| 3. | Beam Splitter: | Ge Coated KBr |
| 4. | Resolution: | 0.9 cm ⁻¹ or better |
| .5. | Signal to noise ratio: | 30,000:1 peak to peak 4 cm ⁻¹ resolution, 1 minute or better |
| 6. | Light source: | High-energy ceramic source |
| 7. | Interferometer: | Michelson, Sealed and desiccated |
| 8. | Detector: | DI ATGG/DTCG DALL |
| | | mechanism Detector with temperature control |
| 9. | Atmospheric | |
| | Compensation: | System should minimize effect of atmospheric water and |
| | | CO2 on the sample spectra without the need for reference of calibration spectra |
| 10. | Internal validation unit | The system must have an internal all living |
| | | The system must have an internal validation unit and should provide validation report to verify FTIR performance as per |
| 11 | 0.0 | directit pharmacopoetas |
| 11. | Software: | Windows 10 based latest software. System should have self- |
| | | diagnostics function. |
| | | Software should have provision for creation of user library. |
| * | | Should have search functions Like Spectral search People |
| | | search, Text search and combination search. Should have |
| | | programs like Postrun, Spectrum, Quantitation, Photometric |
| | | Software should have atleast 20 dedicated application |
| | | programs so that it will be easy for operators with minimal |
| | | FTIR experience to analyze samples by simply selecting the |
| | | analysis purpose. |
| 12. | Library: | Original and licensed library of at least 2,000 spectra for |
| | | organic, inorganic, polymers, drug/pharma samples. |
| 13. | Accessories: | 1) Transmission Cell for Liquids, Gels, Pastes with NaCl |
| | | " muows - 1 No. (10 he supplied from OEM) |
| | | 2) Hydraulic Press, Pellet Holder KBr die set VD- |
| 14. | Warranty: | 1 owder, Agate Wortar Pestie |
| 15. | Documents: | Two Years against manufacturing defect |
| | Documents. | IQ/OQ to be performed during installation and documents to |
| 16. | Upgradeability: | be provided by the supplier/manufacturer |
| | opgradeaomity. | Diamond ATR for Liquids, Powder, Film samples to cover |
| 17. | Note: | spectral range of 7800 to 350 cm ⁻¹ |
| | 11010. | Vendor should clearly mention make and model, also |
| | | chelose Catalogue/Data sheet of the Model quoted in |
| | | support of the above mentioned Specifications otherwise |
| | • | then olds will be rejected. No letter head justifications will |
| | | be accepted. |
| 18. | Accessories | is computer for a C |
| | | i5 computer for software compatibility |
| | 5 | |
| TAF | PM | |
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4. UV-Visible Spectrophotometer

| S. No. | Description | Technical Details |
|--------|---------------------------|--|
| 1. | Photometric System | Double beam optics |
| 2. | Wavelength Range | 185 to 900 nm or better. 220 to 1,400 nm or better whe |
| | | the Integrating Sphere Attachment is used. |
| 3. | Wavelength Accuracy | +/- 0.1 nm or better |
| 4. | Wavelength Repeatability | +/- 0.05 nm or better |
| 5. | Photometric range | Up to 5 Abs or better, Transmittance, Reflectance or |
| | | better better |
| 6. | Photometric repeatability | +/- 0.001 Abs (0.5 Abs & 1.0 Abs) |
| 7. | Spectral Bandwidth | Variable from 0.1 to 5 nm or better |
| 8. | Resolution | 0.1 nm or better |
| 9. | Wavelength Scan Speed | Up to 4000 nm/min or better |
| 10. | Noise level | 0.00003 Abs RMS (500nm) or better |
| 11. | Stray light | 0.005% at 220 nm, 340 nm & 370 nm or lesser |
| 12. | Monochromator | Blazed Holographic grating |
| 13. | Detector | Photomultiplier |
| 14. | Light source | Tungsten and Deuterium languarity |
| 15. | Baseline stability | Tungsten and Deuterium lamp with automatic switching 0.0002 Abs/h or lesser |
| 16. | Baseline flatness | +/- 0.0004 Abs or lesser |
| 17. | Quartz Cuvette | |
| 18. | Software | 3 ml capacity 10mm path length (01 pair) |
| | | Original licensed Windows 10 based Operating softwa |
| | | in the form of CD ROM With GLP/GMP compliar should have built in features like real time concentration |
| | | display Time scan Photometric and Girls and Gi |
| | | display, Time scan, Photometric mode Single/mult wavelength, Enzyme Kinetics calculation, even |
| | | recording such as Addition of reagents Durin |
| | | I HEACHTEMONT IN A Asset |
| | | Validation Software should be supplied with instrument |
| | | to check/verify the parameters like G |
| | | to check/verify the parameters like Stray Light Resolution, Noise Level, Drift, Baseline flatness etc. |
| 19. | Installation and Training | Installation and Training to be provided to the |
| | | Installation and Training to be provided at installation site. |
| 20. | Documents | IQ/OQ to be performed during installation and |
| | | documents to be provided by the supplier/manufacturer. |
| 21. | Warranty | One Year |
| 22. | Upgradeability: | UV-Vis Spectrophotometer should be Upgradeable to |
| | - | Integrating sphere with inner diameter of 60 mm or |
| | | better for diffuse reflection of direct powder sample |
| | | |
| | | Photomultiplier and InGaAs detectors for better spectra |
| | | quality |
| 23. | Important | Note: Vendor should clearly mention make and model, |
| | | also enclose Catalogue/Data sheet of the Model quoted |
| | | in support of the above mentioned Specifications |
| | | otherwise their bids will be rejected. |
| 4. | Accessories · | One Branded PC is of 10 th Generation or better, 500GB |
| | | SSD & 1TB HDD or better with at least 8GB RAM, |
| | | original windows 10/11 and 22" or more Display, |
| | | Keyboard Mouse & One Laser B/w Printer |
| 1/1/ | 1W | Just Diw Miller |

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5. Water Purification System

- The system should be single stage system- produce endotoxin and bacteria free ultrapure water directly from potable water supply.
- It should be capable of providing ASTM Type I (minimum 18 Mega ohm resistivity) water from potable tapwater.
- The system should have feed water acceptance level of Conductivity upto 2000 μ S/cm, Fouling Index (SDI)up to 50 and total Chlorine less than 3 ppm.
- It should have pre-treatment kit with 5µm and 1µm filter followed by at least 2 stage pretreatment cartridge consisting of Activated Carbon, Anti-scaling Agents and 0.5µm depth filter to protect downstream cartridge. Pre-filter should be with inbuilt softener to handle 250-300 ppm of hardness & activated carbon for the removal of free chlorine & tap water Organics.
- System should have Separate independent RO and Polishing cartridge.
- System should be based on superior De-Ionization Module.
- It should have constant RO flow rate minimum 8L/hour.
- System should have RO Reject recycling that is high recovery from 25% to 66%.
- System should have Reverse Osmosis module made up of thin film composite polyamide RO membrane with rejection rate of 94 99% and recirculation loop for optimum utilization of feed water. It should have the provision display Percentage ionic rejection of RO Cartridge to monitor the performance of RO.
- The system should have feed water specific Purification pack before UV lamp consisting of mixed bed ion exchange resin / micro filter / activated carbon to ensure better purification and longer life of the cartridges.
- System should have 17watt, low pressure mercury vapor lamp made of quartz with dual wavelength (185 and 254nm). The lamp should have an electro polished 316L SS housing, ensures reduction of TOC as well as destruction of bacteria.
- The system should have constant flow rate, continuous monitoring of the quality of water at various stagesof water purification as well as temperature feedback mechanism.
- System should have co-axial resistivity cell with 0.01cm⁻¹ cell constant at various stages of purification chain to monitor the quality of water.
- System's Cartridge should have appropriate tag to enable traceability of Mfg. Date, Lot No., Life of Cartridge, no. of day's usage etc. and facilitate estimation of volumetric life of the cartridges.
- System should have built in resistivity and TOC monitor to design to comply most demanding norms and system should able to self-calibrate with TOC Curve check.
- It should have minimum 50 L storage tank with auto cutoff level sensors.
- Flow rate should be adjustable between 50 to 2000 Ml/Min.
- Production rate of purified water should be at least 8 L/hr or better.
- System should be capable to produce more than 50 liter of Water for laboratory use.
- System should provide perfect convenience through POD for separate point of delivery for ultrapure water.
- Final filter should provide either biological grade or pharmaceutical grade water equivalent to DEPC treatedwater.
- The system should have final water quality as below:

Resistivity
TOC

18 to 20 Mega Ohm cm (at 25 °C) or better

≤ 5 ppb or better

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Particulates (size > $0.22 \mu m^3$)

Bacteria

< 1 particulate/mL or better

Particulates (0.22 micron)

< 0.01 CFU/mL or better

Pyrogens

< 1/mL or better

RNases

< 0.001 EU/mL or better

< 0.01 ng/mL or better

DNases

< 4 pg/mL or better

A valid User list with details should be provide.

- Any consumables, cartridges, and other parts to be changed during serving for the next two years must be provided along with the system.
- Warranty: One year against manufacturing defect

6. Rotary Vacuum Evaporator

- Rotation Speed up to 280 RPM.
- Vertical ground-free design with grease-free threaded connections of condenser with surface area of 1400 cm² or more.
- Heating bath temperature of 20-210 Degree Centigrade or better with Bath Temperature
- Heating bath should accommodate up to 5litre flask.
- Automatic cut off at 5 degree C over set temperature of heating bath.
- Brushless DC motor with heating capacity 1300 W or better.
- Cable coupling of heating bath should comply with the protection class IP 67 or better
- Standby function and residual heat warning indicator if temperature goes above 50°C of
- Separate knobs for heating bath and rotation.
- Convenient automatic motor lift of flask during power failure, height adjustment by press of a
- The Accidental changing of the values can be prevented by the lock function & the locking function of the knobs prevents unintentional adjustment of the values.
- Highly resistant and particularly durable PTFE vacuum seal.
- The material of heating bath should be stainless steel.
- The media-contacting plastic parts such as the screw connection for mounting the condenser and the clamping sleeve on the vapor tube are made of highly resistant PPS to ensure a long
- FDA- compliant materials for all active and passive media containing components permit a broader range of application and research at the highest level.
- Should have vapour tube with sleeve to add more strength and easily removable from the drive.
- 1L evaporating flask & 1L receiving flask should be supply with the instrument as a standard
- There should be protection class IP20 or better.

Vacuum pump:

- > Valve control chemical resistant Two-stage Diaphragm pump
- Suction capacity should be 0.75 m³/h or more.
- ➤ Ultimate vacuum should be 12 mbar or better.
- Noise level < 60db & power input 80W or better.

Chiller:

- > Temperature range from -10 °C to +100 °C or better.
- Thermo fluid fill volume 4-5 L or more.
- > Temperature accuracy ± 0.2 or better.
- > Pump flow up to 81/min.
- Warranty: Three Years or more onsite warranty against manufacturing defect on complete system.

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ਦਫ਼ਤਰ ਡਾਇਰੈਕਟਰ, ਤਕਨੀਕੀ ਸਿੱਖਿਆ ਅਤੇ ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਵਿਭਾਗ, ਪੰਜਾਬ (ਤਕਨੀਕੀ ਸਿੱਖਿਆ ਵਿੰਗ)

ਪਲਾਟ ਨੰ:1, ਸੈਕਟਰ-36 ਏ, ਚੰਡੀਗੜ੍ਹ।

V57.

ਵੱਲ

ਰਜਿਸਟਰਾਤ,

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੀ.ਟੀ.ਯੂ.,

ਬਠਿੰਡਾ।

ਮੀਮੋ ਨੈ: 34



ਮਿਤੀ: 01/02/2024

ਵਿਸ਼ਾ:- Regarding purchase of equipments sanctioned under MoFPI grant-in-aid during third phase of procurement.

ਹਵਾਲਾ:- ਆਪ ਦੇ ਪੱਤਰ ਨੰ: 4062 ਮਿਤੀ: 22.01.2024 ਦੇ ਸਬੰਧ ਵਿੱਚ ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ।

ਹਵਾਲਾ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਵਿੱਚ ਇਹ ਦੱਸਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਪ੍ਰਮੁੱਖ ਸਕੱਤਰ, ਤਕਨੀਕੀ ਸਿੱਖਿਆ ਅਤੇ ਉਦਯੋਗਿਕ ਸਿਖਲਾਈ ਜੀ-ਕਮ-ਚੇਅਰਮੈਨ, ਬੋਰਡ ਆਫ ਗਵਰਨਰਜ਼, ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ ਵੱਲੋਂ ਇਸ ਮਾਮਲੇ ਸਬੰਧੀ ਇੰਨ ਪ੍ਰਿੰਸੀਪਲ ਪ੍ਰਵਾਨਗੀ ਦੇ ਦਿੱਤੀ ਗਈ ਹੈ।

ਇਹ ਆਪ ਦੀ ਸੂਚਨਾ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿਤ ਹੈ।

ਕਿੰਪੀ ਗਏਰੈਕਟਰ ਡਿਪਟੀ ਡਾਇਰੈਕਟਰ