



**CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY (CEMB),
CEMB-87-West Canal Bank Road,
Thokar Niaz Baig, Lahore**

AO / 16004
AO / 16607

**TENDER CEMB SEP 2026 LP03 FURNITURE AND
CHEMICALS**

TENDER DOCUMENT

FOR

**SUPPLY OF CROSS OVER BENCHES, WORKING TABLES AND WALL MOUNTED
CABINET FOR ESTABLISHMENT OF CEMB MOLECULAR DIAGNOSTIC FACILITY
LAB**



SEP 2026



CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY (CEMB),
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TENDER NOTICE

SUPPLY OF CROSS OVER BENCHES, WORKING TABLES AND WALL MOUNTED CABINET FOR ESTABLISHMENT OF CEMB MOLECULAR DIAGNOSTIC FACILITY LAB AND CHEMICALS FOR STEM CELLS LAB

Sealed tenders/quotations under **Single Stage One Envelop Bidding through e-procurement**, are invited from interested Manufacturers, Authorized/Sole Distributors, Contractors, and Suppliers for the supply of Required Material (Furniture and chemicals). Complete sets of Bidding Documents may be downloaded from the Centre's official website and **EPADS 2.0**.

LOT 01	Supply of cross over benches, working tables and wall mounted cabinet for establishment of cemb molecular diagnostic facility lab	Estimated price: Rs. 11,00,000/- PKR Bid security: 2% of above Estimated price
LOT 02	Chemicals 108	Estimated price: Rs 1,300,000/- PKR Bid security: 2% of above estimated price (to be attached with technical bid)
LOT 03	Chemicals 109	Estimated price: Rs 300,000/- PKR Bid security: 2% of above estimated price (to be attached with technical bid)

All bids must be accompanied by a Bid Security in the amount stated above in the shape of CDR in the Name of "Director, Centre of Excellence in Molecular Biology (CEMB)" and must be delivered at Purchase Section CEMB, University of the Punjab, Lahore on or before **16.10.2026** in sealed envelopes at 10:00 AM. The tender must be uploaded on e-procurement portal (ePADS v2.0), otherwise bids will not be considered.

The Director CEMB reserves the right to reject any or all tenders. If there is a public holiday announced by the Government on the tender opening date, then the tender will be opened on the next working day. This tender notice is available at [EPADs](#), as well as on the website of the CEMB (www.cemb.edu.pk). Interested bidders may submit their bids on EPADS, with requisite bid security in shape of bank draft/pay order.

HEAD (Admin), CEMB
Email: admin@cemb.edu.pk
Phone: +92 (42) 35293145
Cell: 0300-4525194



**CENTRE OF EXCELLENCE IN MOLECULAR BIOLOGY (CEMB),
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LOT-1

**SUPPLY OF CROSS OVER BENCHES, WORKING TABLES AND WALL MOUNTED
CABINET FOR ESTABLISHMENT OF CEMB MOLECULAR DIAGNOSTIC FACILITY
LAB**

TERMS AND CONDITIONS OF TENDER:-

- 1) Sealed tenders should be submitted by **filling in the rate** and amount in the BOQ given in the tender along with the total tender cost. Each page of the tender should be signed & stamped by the contractor. Incomplete, part or conditional tenders will not be accepted.
- 2) **Earnest money** at the rate of 2% of the total tender cost in the shape of deposit at call in the name of Director CEMB, Lahore must accompany the tender, failing which the tender will be rejected.
- 3) Bid validity period after opening of the bid is **90 Days**.
- 4) **Time of Commencement**: Within 07 days from the date of receipt of the letter of acceptance.
- 5) **Time of Completion**: 20 days after commencement of the work.
- 6) Amount of **liquidated damages** at the rate of 0.1% of contract Price Per Day maximum deduction 10% of the contract price in case of delay in the completion of the project.
- 7) **Defect Liability Period**: 6 months from the date of Completion certificate
- 8) Percentage of **retention money**: 10% of gross value of Work done.
- 9) Only **registered Contractors**, who are on active tax payers list (ATC) of FBR are eligible to participate in tender competition.
- 10) The values of amount should not be filled **handwritten** in the tender documents, it must be filled through typing.
- 11) Income **Tax**/Punjab Sales Tax: Taxes will be deducted as per Government Rules.



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BILL OF QUANTITIES (BOQ)

SUPPLY OF CROSS OVER BENCHES, WORKING TABLES AND WALL MOUNTED CABINET FOR ESTABLISHMENT OF CEMB MOLECULAR DIAGNOSTIC FACILITY LAB					
S.No.	Description of Items	QTY	UNIT	RATE	AMOUNTS (Rs.)
1	Cross Over Bench Reinforced with ribbing, as per sample approved. SS 304, 18 SWG, SIZE: 60"X18"X14"	1	Each		
2	Working Tables reinforced with moveable cabinet, with ribbing, as per sample approved. SS 201, 18 SWG, SIZE: 60"X30"X36"	3	Each		
3	Working Tables reinforced with moveable cabinet, with ribbing, as per sample approved. SS 201, 18 SWG, SIZE: 72"X30"X36"	3	Each		
4	Wall Mounted Cabinet SS 201, with Shelve as per sample approved. Size L-60" x H-24" x D-14"	1	Each		
			SUB TOTAL		
			GST @ 18%		
			GRAND TOTAL		



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Terms and conditions for LOT-2 and LOT-3

1	First page should be the Check List of Technical Bidding Documents and second one Covering letter containing Tender Cost, quoted brand/Manufacturer Names, CDR Bank Name No. Date.
2	Authorization: Suppliers must provide official documentation (e.g., authorization certificate, sole distribution letter) from the original manufacturer.
3	Origin and Verification: Products must originate from the USA, Europe, Spain, Korea or Japan. Batch numbers and Material Safety Data Sheets (MSDS) must be verifiable through recognized online resources.
4	Regulatory Compliance: Suppliers must comply with all applicable regulations, including but not limited to ISO 9001, ISO 17025, GMP, FDA, and REACH
5	Warranty//Expiry: A minimum one-year warranty/Expiry from the date of delivery, or the original manufacturer's warranty (whichever is longer), applies to all originally sealed supplies.
6	Non-Compliance: Failure to fulfill supply orders, deliver defective products, or rectify defects within the warranty period may result in penalties, including forfeiture of performance security
7	Delivery Delays: Unjustified delivery delays beyond the agreed-upon timeframe will incur a penalty of 0.5% per day, up to a maximum of 10% of the total order value. This penalty will be deducted from invoices/bills
8	Certificate of Analysis (CoA): A CoA verifying product purity and composition is required for each chemical.
9	Supporting Documentation: Suppliers must provide Technical Data Sheets (TDS) outlining product specifications and MSDS/SDS for safety and handling information
10	Please quote only Ready Stock items.
11	Please quote only one relevant rate for each item and clearly mention Reference & GST separately.
12	Please quote rate according to our required unit.



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13	Please mention our tender serial number on your Quotation / Tender.
14	Quotation Should Not Be Hand written.
15	Quoted rates validity should be 180 days from the date of opening.
16	Every envelope Tender should be marked with word “Tender” and Reference No. NP 06 March 2025
17	Deduction of income tax and other taxes of any kind will be deducted according to government prevailing rules.
18	Only registered suppliers who are on active Tax Payer List (ATL) of FBR eligible to supply goods/services.
19	Documents must be uploaded on EPAD as well as submit the hard copy in shape of Hard binding to the office. Before closing time mentioned in documents.
20	Procurement shall be governed by the PPRA Rules.
21	If there is any question/confusion about the description/specification of the material please visit the Centre.



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Purchase List for NRPU-108

Sr.#	Product	Description	Company Name and catalog	Pack Size	Quantity
1	CytoTune™-iPS 2.0 Sendai	Non-integrating Sendai virus kit (KOS, L-Myc, hKlf4) to reprogram fibroblasts/PBMCs into iPSCs. kit includes three vector preparations: polycistronic Klf4-Oct3/4-Sox2 (KOS), c-Myc, and Klf4 and is sufficient to reprogram. Enables fast and efficient transgene expression in the cytoplasm without producing infectious viral particles in the final cells.	Thermo Fisher A16517 or equivalent	1	1 kit
2	mTeSR Plus	Stabilized feeder-free maintenance medium for human ES and iPS cellsA stabilized, serum-free cell culture medium for the feeder-free maintenance and expansion of human embryonic stem(ES) and induced pluripotent stem (iPS) cells. Greater cell expansion rates with daily feeding, while also maintaining cell quality during restricted feeding scheduleWith stabilized critical medium components, including FGF2, and enhanced pH buffering.	STEMCELL Technologies, Cat# 100-0276 or equivalent	500 mL	2 PKR
3	Matrigel hESC-Qualified Matrix	Basement-membrane extract for feeder-free iPSC plate coating.a specialized, solubilized basement membrane preparation pre-qualified for the feeder-free culture of human embryonic stem cells (hESCs) and induced pluripotent stem cells (iPSCs). Comprehensive extracellular matrix (ECM) alternative to feeder layers.Rich in essential ECM proteins including Laminin (predominant component), Collagen IV, heparan sulfate proteoglycans, and entactin/nidogen, alongside naturally occurring growth factors	Corning, Cat# 354277 or Equivalent	5 MI	1



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4	Accutase Cell Dissociation Reagent	a ready-to-use, sterile-filtered formulation containing a proprietary mixture of proteolytic and collagenolytic enzymes. It serves as a direct, highly gentle alternative to traditional Trypsin/EDTA for the routine detachment of adherent mammalian cells, single-cell passaging of pluripotent stem cells (hESCs/iPSCs), and the preparation of single-cell suspensions for flow cytometry or sequencing. The enzymes naturally auto-inhibit at 37°C and become inactivated upon simple dilution with fresh cell culture medium.	STEMCELL Technologies / Sigma, Cat# A6964 / 07920 or equivalent	100ml	1
5	Y-27632 (ROCK Inhibitor)	cell-permeable, highly potent, and selective ATP-competitive Rho-associated coiled-coil containing protein kinase (ROCK) inhibitor. Essential small molecule supplement used primarily to prevent dissociation-induced apoptosis (anoikis)	STEMCELL Technologies / Selleckchem, Cat# 72302 / S1049 or Equivalent	10 mg	1
6	Anti-OCT4 Antibody	Immunocytochemistry marker for pluripotency (core transcription factor) mouse monoclonal antibody	STEMCELL Technologies / Abcam, Cat# 60093 or Equivalent	100 µL	1
7	Anti-SOX2 Antibody	Immunocytochemistry marker for pluripotency rabbit polyclonal antibody that targets SOX2 (SRY-box transcription factor 2), a 35 kDa nuclear transcription factor essential for stem cell pluripotency, self-renewal, and neural development.	Abcam, Cat# ab97959 or Equivalent	100 µL	1
8	Anti-NANOG Antibody	Immunocytochemistry marker for pluripotency. a highly validated rabbit recombinant monoclonal antibody required to detect NANOG, a critical homeobox nuclear transcription factor that works in tandem with OCT4 and SOX2 to regulate embryonic stem cell pluripotency, self-renewal, and cell fate decisions	Abcam, Cat# ab109250 or Equivalent	100 µL	1



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9	Anti-SSEA-4 Antibody (conjugated)-AF 488	Cell-surface pluripotency marker for flow cytometry/ICC. Mouse monoclonal clone pre-conjugated to several common fluorophores.	STEMCELL Technologies /, Cat# 60062AD or Equivalent	100 tests	1
10	Anti-TRA-1-60 Antibody (conjugated)-AF 488	Cell-surface pluripotency marker for flow cytometry/ICC.target TRA-1-60 (Podocalyxin), a high-molecular-weight carbohydrate antigen expressed exclusively on the surface of undifferentiated human embryonic stem cells (hESCs), induced pluripotent stem cells (hiPSCs), and embryonal carcinoma (EC) cells. Along with SSEA-4.	STEMCELL Technologies, Cat# 60064AD or Equivalent	100 tests	1
11	hPSC Genetic Analysis Kit (qPCR-based)	Detects common karyotypic abnormalities in iPSC lines.Utilizes high-performance double-quenched probes coupled to a 5-FAM fluorophore, minimizing background fluorescence and yielding superior signal-to-noise performance compared to conventional single-quenched probes.Contains a specialized qPCR Master Mix, ROX Reference Dye (for instrument normalization), target primer/probe mixes, a genomic locus control	STEMCELL Technologies, Cat# 07550	1 kit (24 rxn)	1
12	CryoStor CS10	Defined, xeno-free, serum-free cryopreservation medium for hiPSC banking.cryopreservation medium pre-formulated with 10% dimethyl sulfoxide (DMSO).optimized to protect ultra-sensitive biological samples during freezing, long-term storage (-70°C to -196°C), and thawing.10% USP-grade DMSO	STEMCELL Technologies / BioLife Solutions, Cat# 07930	100 mL	1



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Sr.#	Product	Description	Company Name and catalog	Pack Size	Quantity
1	STEMdiff Trilineage Differentiation Kit	Confirms trilineage (ecto/meso/endoderm) differentiation potential.complete media system to functionally validate the pluripotency of human embryonic stem (ES) and induced pluripotent stem (iPS) cell lines Rapid, monolayer-based directed differentiation protocol.Serves strictly as an endpoint assay to test the functional differentiation capacity of a cell line	STEMCELL Technologies, Cat# 05230 or Equivalent	1 kit	1
2	Pluripotent Stem Cell 4-Marker Immunocytochemistry Kit	Combined kit (OCT4, SOX2, SSEA4, TRA-1-60) for pluripotency confirmatio.The kit targets key markers including nuclear transcription factors OCT4 and SOX2, and cell-surface markers SSEA4 and TRA-1-60, paired with corresponding Alexa Fluor™ secondary antibody conjugates and nuclear counterstain (NucBlue™ DAPI).Enables image-based confirmation of four definitive PSC benchmarks.fixed cocktail strategy with cross-adsorbed secondary antibodies to minimize cross-reactivity	Thermo Fisher, Cat# A24881 or Equivalent	1 kit	1
3	Ham's F12 nutrient mixture	cell culture medium specifically designed for serum-free, single-cell clonal growth. 1:1 ratio with Dulbecco's Modified Eagle's Medium (DMEM). This enriched mixture combines the high nutrient concentration of DMEM with the vast trace element profile of F-12 to support complex mammalian cultures.Included (With) L-Glutamine, Phenol Red (pH indicator), and Sodium Pyruvate.Excluded (Without) Sodium	Thermo Fisher /, Cat# 21700075 or Equivalent	10x1 liter packet	1



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		Bicarbonate (NaHCO_3) and HEPES buffer.			
4	Dimethyl Sulfoxide (DMSO), cell culture reagent, 100 ml	Dimethyl Sulfoxide (DMSO), Cell Culture reagent is a polar, aprotic organic solvent ideal for cryopreservation	Santa Cruz Biotechnology sc-358801 or Equivalent	100ml	1