

ICMR - NATIONAL INSTITUTE OF CANCER PREVENTION AND RESEARCH
PLOT NO. I-7, SECTOR-39, NOIDA-201301

NICPR/STH/DHR-GIAPProject/Phospho-proteomics/2023

Date: 25.09.2023

INVITATION FOR QUOTATION

The National Institute of Cancer Prevention and Research, Noida wishes to invite the rates/quotations for the items mentioned in the attachment.

You are requested to submit your quotation as per the following terms & conditions:-

Terms & Conditions:

1. Quotation for the requisite items (list attached), addressed to the "Director, ICMR-National Institute of Cancer Prevention and Research, I-7, Sector-39, Noida" should be submitted to Stores-In-Charge, Stores Section, NICPR, NOIDA, **latest by 05.10.2023.**
2. Only sealed quotation will be considered.
3. Kindly mention the subject "**STH – Phospho-Proteomics**" & [due date], on the top of envelope.
4. **Quotation received after the last date and time or not in attached format is liable to be rejected.**
5. **Name of items should be provided in format of quotation instead of mentioning "item-1", "item-2", etc.**
6. **Quoted Items should be readily available with the vendor.**
7. **Quotation should have a minimum validity of 03 Months.**
8. Quotation should have the file reference number as mentioned above.
9. The quotation is to be submitted only in the format enclosed. Not acceptable in any other form.
10. **Price should be quoted on the Vender's Letter Head, duly stamped and signed.**
11. In the quotation, Sl. No. and name of the items should be same as per the format enclosed.
12. It is mandatory to indicate the GST number in Quotation as well as in the bill for our information.
13. GST will be applicable as per GoI norms to ICMR-NICPR, Noida. Rates may be quoted with GST@5% against the GST/DSIR Certificate.
14. Quotation should be preferably, typewritten and every correction in the quotation should invariably be signed by the bidder, failing which, the quotation is liable to be rejected.
15. The bidder conditions mentioned in the quotation shall not be binding on ICMR-NICPR, Noida.
16. Vendors may be asked to provide sample of goods/reagents/plastic ware/kits for quality/compatibility before accepting the order. In case the goods are not in conformity with the quality, the order shall stand cancelled.
17. Any dispute concerning any Terms and Conditions of the Quotation and/ or the supply of items, will be subject to Delhi Jurisdiction only.

18. Materials should be delivered within **Four Weeks** at ICMR-NICPR, Noida from the date of issue of purchase order. The liquidated charges @ 0.5% per week shall be imposed if supply made after expiry of delivery period subject to maximum 10% of the total value of goods/ contract value.
19. If, in the price structure quoted by a bidder, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail.
20. If no response received from your firm by the indicated date, it will be presumed that you are not interested in quoting the rates and no further communication will be made in this regard.
21. Director, ICMR-NICPR reserves the right to reject any or all quotations without assigning any reason.


S.O (Store)
For Director

ITEM LIST

S.No.	Name of goods/Services Equipment with general Specification (Attach separate sheet if required)*	No of sample
1	Global Phospho-Proteomics with bioinformatics analysis	06

Technical Specification for global phospho-proteomics including Bioinformatics Analysis

1. **No. of sample: 6 (3 samples in duplicate)**
2. **Technology to be used:** LC-MS/MS, Orbitrap
3. **Application:** Proteomics and phospho-proteomics analysis
4. **Sample type:** Breast cancer cell lines (Human)
5. Extraction of proteins from biological samples should be done by vendor.
6. Leftover protein sample should be returned to ICMR-NICPR, Noida.
7. **Duration of samples to be sent to vendor:** As per sample availability
8. Required proteomics and phospho-proteomics data generated on total protein samples extracted from breast cancer cell culture. The provided samples will be already treated with drug that affect signalling pathways prior to protein extraction.
9. A systematic quantitative comparison of the proteomics and phospho-proteomics of drug-resistant cells versus control cells should be done.
10. Two biological replicates should be used for proteomics and phospho-proteomics analysis to meet the high reproducibility of sample preparation.
11. Protein quantitation must be done by using Bradford's reagent and further protein quality by Comassie blue after running SDS-PAGE or by any other standard method.
12. Require the detection of at least 8,000 unique proteins, and at least 15,000 unique phosphosites, and the capability of detecting at least a 1.5-fold change between samples.
13. RAW files generated should be analyzed with Proteome Discoverer (v2.2) against the UniProt HUMAN reference proteome database.
14. Vendor must provide workflow of protein sample processing and data analysis for technical evaluation. Comparative protein expression of resistant vs control cell lines.
15. Analysis should be performed using either TMT, DIA or DDA methods.
16. **Bioinformatics analysis should include entire analysis as below.**
 - i. Primary Statistics report -detailed QC results
 - ii. Read statistics reports
 - iii. Identification of known phosphorylated proteins and discovery of novel proteins
 - iv. Comparative study of differential protein expression among given samples.
 - v. Alignment statistics
 - vi. Protein wise expression matrix across all samples
 - vii. Target precision of significant genes and Gene/Transcript annotation results (Gene Ontology – GO level distributions of genes covering biological processes, cellular components and molecular analysis & Pathway analysis). Separate target identification for up and down regulated proteins.
 - viii. Differential protein expression reports should be provided including p value for significance and volcano plot with calculated q values.
 - ix. Heatmap of up and down regulated proteins and graphical representation of significance
 - x. RAW data and any other files of proteomics and phospho-proteomics should be provided
 - xi. Group wise comparison to understand differential protein expression between control and resistant cell model.
 - xii. Results should consist of a table with quantified phosphosite amounts should be provided, as well as raw mass spectrometry files.
17. Report with methodology, results and references should be provided
18. Vendor should have in-house proteomic or phospho-proteomic facility in India, certified vendors will be considered more competent than others without certifications.

19. Proof of lab facility: Installation and authorisation certificate from the instrument manufacturer should be provided. Partner/collaborator company installation certificate located abroad will not be considered.
20. Sample (Cells, Protein etc.) should not be sent out of India. All sample processing and analysis must be done in India.

21. Data delivery deadline:

Sample QC report should be submitted within one week receiving the samples. If not, it will be considered as QC passed and liability for quality and timely delivery of data will lie with the vendor. Raw file and other quality and parameter file mentioned above should be delivered within 25 days after sample QC is completed. All data analysis with above-mentioned tools should be delivered within maximum 45 days after sample QC check is completed.

22. The details of progress of experiment should be intimated to the customer/ scientist and further processing in case of any issues shall be based on the instructions of the customer only.
23. Data should be delivered through secured server and HDD only. To maintain data confidentiality, firm should not write data in CDs/DVDs.
24. **Cost of phospho-proteomics:** The cost of phospho-proteomics as approved should be maintained until completion of all samples.
25. Failure to submit quotation as per the technical specifications may deprive the concerned firm from consideration.

Financial Bid Format (On Letter Head)

To,
The Director,
ICMR-NICPR, Noida.

Offer for supply of consumable against NICPR inquiry NO. ICMR-NICPR/..... is under:

S. No.	Items	Name of Brand/ Make/ Model	Unit	Qty. Req.	Quoted Brand & Cat No.	Unit Price	Discounted Price	GST Amount	Price to NICPR (v+vi) or (iv+vi)	Net Price (Qty* Price to NICPR) [(i)*(vii)]
			(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)
1	Global Phospho-Proteomics with bioinformatics analysis									
TOTAL PRICE (Including Discount & GST) (INR)										
TOTAL PRICE (in words):										

I/We, the undersigned, hereby declare that:

1. I/We certify that quoted product meets the specification as described in the call for quotation.
2. I/We certify that rate quoted for this product does not exceed the Maximum Retail Price of the product.
3. Items should be readily available with the vendor.

Place:

Date:

Name and Surname:

Signature & Stamp of Bidder