

Government of India
BHABHA ATOMIC RESEARCH CENTRE
MOLECULAR BIOLOGY DIVISION
Trombay, Mumbai- 400 085.

Ref: MBD / 2017/OPA/ 75580

05 May, 2017

Sub: Invitation of quotation for gene synthesis

Dear Sir,

1. Quotations are invited for gene synthesis with codon optimization and sequence verification (for further specifications see Annexure I). Taxes and duties if any shall be quoted separately. Necessary tax exemption certificates shall be provided if applicable.
2. The bidder shall submit the soft copy of the sequence of the construct (the chromatogram, the sequence and the map).
3. The quotations must reach Head, MBD by **Date:29.05.2017**, or earlier and must be sent in a sealed envelope superscribed with the above reference number and due date given above. The envelope with quotations **must be sent via ordinary India Post, and not by any other means.**
4. The address on the envelope should read:

The Head,
Molecular Biology Division
Bhabha Atomic Research Centre
Trombay, Mumbai -400 085.

Attn: Dr. Devashish Rath

5. The bidder shall have to take an insurance policy against any materials issued to him by the purchaser, if applicable.
6. The bidder shall deliver the service within 5 months from the date of issue of work order to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at Molecular Biology Division, MODLABs, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085 if applicable.
7. Quality of service will be assessed judiciously. It is deemed to be high quality, in case materials quality is not up to the mark and product did not work, firm may be asked to replace the same product at no further charge on us.
8. The quotation must include the PAN/TIN/ST No. etc. of the firm/supplier. Taxes and excise duties shall be quoted separately. Form AF shall be provided wherever necessary.
9. Head, Molecular Biology Division, BARC reserves the right to accept/ reject any or all quotations without assigning any reason.

Annexure I

1. synthetic genes should be cloned in optimized cloning vectors with a selection (preferably antibiotic) marker.
2. For in vitro transcription applications, choice of cloning vector that can be directly utilized for in vitro transcription should be given at no additional cost.
3. Codon optimization should be done free of charge.
4. A minimum of four microgram of final construct should be provided.
5. The bidder shall keep the sequence information provided confidential.
6. All inserts for Genes and MiniGene Synthesis products should be sequence verified on both strands prior to shipping. Sanger sequencing information including chromatograms, a plasmid map, and a FASTA file should be made available.
7. The synthesis of the gene construct should include the following: **a.** Synthesis of the DNA fragment **b.** Sequence verification of the DNA fragment **c.** Cloning of the fragment into a suitable vector **d.** Preparation of the plasmid and supply of at least 4 ug of the final construct.
8. The bidder shall quote for four DNA fragments of 6000 bp each and four DNA fragments of 1500 bp each.