

# TO WOMOSOEVER IT MAY CONCERN

Ref. No. : 04/02-COB/2021-PO/PAD

June 25, 2021

**Subject: Publication & Printing of an “Animated Booklet on  
Life & Contributions of Dr. Homi J. Bhabha”**

Dear Sir,

On behalf of the President of India, quotations are invited for the above work as per the following details:

## **1. Job Specifications**

Item	: Publication & Printing of an “Animated Booklet on Life & Contributions of Dr. Homi Jehangir Bhabha”
Booklet size	: B5 (176 mm x 250 mm)
No. of Pages	: Cover + 60 (approx.) Inside pages
No. of copies	: 1000 nos. in English + 500 nos. in Hindi
Premium Copies	: 100 premium quality hard bound copies
Cover	: 4-colour printing on 200 GSM Imported Art Card
Inside Pages	: 4-colour printing on 110 GSM Imported Art Paper
Printing	: Throughout 4 colour
Finishing/Binding	: Side pinning with lamination on cover page on all copies

.....2/

## 2. Scope of Work

The work includes Story Outlining, Scripting / Screen play, Art Work, Submission of Proofs and delivery at DAE premises, Anushakti Bhavan, Mumbai 400001. DAE will provide necessary information material related to Dr. Bhabha for helping to evolve the story (if required) and scripting. Following are other points relating to scope of work:

- a) The vendor will be responsible for executing the job and delivering the printed material at Anushakti Bhavan, DAE.
- b) **The vendor will have to supply a 2 page sample art work (animations with Dialogue/Script) for qualifying. Information material required for sample art work in the form of a 2 page story along with few photographs of Dr. Bhabha is attached.**
- c) If the art work and story is selected, then only the vendor will be shortlisted.
- d) The vendor is encouraged to provide his valuable inputs to further improve the design and layout of high quality printing jobs. However, this should not result in delay of the supply of printed material.
- e) Good quality paper is to be used for all printing jobs. High quality accurate printing of the job is required.
- f) The vendor will provide draft copy of the final version of the booklet with animated images and dialogues for proof reading. After the final approval of the booklet from DAE, the vendor should supply 5 printed copies within a week.
- g) Along with the delivery of printed material, a soft copy of the booklet should also be given in PDF by the vendor.
- h) **The above work should be completed by the vendor on or before 30<sup>th</sup> September, 2021.**

## 3. Eligibility

The vendor should strictly fulfill the following criteria:

- (a) The vendor should have prominent presence in comic/animated book publishing industry with registered office having logistics facility and he should have a minimum of 10 years experience in high quality comic /animated book publication.
- (b) The vendor should have all the necessary comic /animated book publishing infrastructure, facilities, equipment and qualified professional staff to carry out the research on the personality (Dr.Bhabha) being portrayed and story outlining, scripting (in English & Hindi), art work, design & layout and translation facilities.
- (c) The vendor shall be a single entity, registered as a Company/Firm under respective acts in India.
- (d) Performance certificates of previously completed jobs should be provided as proofs by the vendor.
- (e) The vendor should submit the Income tax returns of the last three financial years.
- (f) The vendor shall have clean legal records. It should neither be blacklisted by any Govt. organisation nor debarred from bidding in any Govt. organisation.
- (g) All the above claims by the vendor should be supported by authentic documents and verification certificates.

- (h) Vendor should submit no dues certificate from CA for GST
- (i) Following certificates/documents are mandatory:
1. Company registration
  2. Shop & Establishment
  3. PAN Card Copy
  4. GST registration certificate

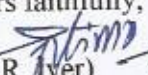
#### 4. Terms & Conditions

- (a) Canvassing in connection with the award of contract is strictly prohibited and quotes of such vendors will be liable for rejection.
- (b) If any information furnished by the vendor is found to be incorrect, they are liable to be permanently debarred from taking up any future work in DAE.
- (c) This work is highly creative and customised in nature thus cost-cum-quality basis will be adopted for shortlisting the vendor.
- (d) The acceptance of the quotation shall rest with DAE and it does not bind itself to accept the lowest quote. It reserves the right to reject any or all of the quotations received without assigning any reason. All quotations in which any of the above prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.
- (e) DAE reserves the right to accept either whole or a part of the quotation submitted by the vendor and the vendor is bound to perform at the rates quoted by him.
- (f) It is to be noted that GST wherever applicable, Income Tax @ 2% as applicable from time to time will be deducted from the bills.
- (j) The successful vendor will have to abide to the terms of a Confidentiality Clause. It may also be noted that the vendor will have to comply with strict security regulations of DAE in case of award of contract.
- (g) The job should be executed within the stipulated time after the receipt of the work order from DAE. The delay in the completion of the job on schedule will be liable for a penalty (0.5% per week with a maximum of 5% of the total bill amount).
- (h) In case of any printing/binding error in the booklet, the vendor should deliver all the printed materials at no extra cost to DAE.
- (i) **10% of the basic cost should be submitted as security deposit within 15 days of the placement of Purchase Order and it should be valid for 6 months with a grace period of 2 months.**

Please quote for the above job as per given specifications. Enquiries in sealed covers should reach the undersigned on or before 15<sup>th</sup> July 2021 by 3.00 pm.

The envelope should be marked with the following information:

'Quotation for Dr.Bhabha booklet printing'  
(Ref. No. : 04/02-COB/2021-PO/PAD dated 25<sup>th</sup> June, 2021)

Yours faithfully,  
  
(S.R. Iyer) 25.6.21  
Scientific Officer  
Public Awareness Division  
(For and on behalf of President of India)  
Contact:022-2286 2665  
Email:library@dae.gov.in

Bhabha joined the Gonville and Caius College in Cambridge in 1927. His uncle Sir Dorab Tata had studied in the same college and had made a donation of 25,000 pounds to it in 1920. It is interesting that while the father went to Oxford, the son went to Cambridge. In the case of the Nehru family, it was the other way about; the father, i.e., Jawaharlal Nehru went to Cambridge while his daughter, Indira Gandhi, went to Oxford.

The intention of Bhabha's parents in sending their son to Cambridge was very clear. They knew he was brilliant and they felt that if he was trained in engineering, he could build a great career in the Tata industries. However, Homi's heart was not in engineering but in science. Nevertheless, in order to please his parents he enrolled for the B.A. degree in mechanical engineering. Even as he was studying engineering, young Bhabha conveyed strongly to his father his passion for science. In a letter written in 1928 he said:

I seriously say to you that business or job as an engineer is not the thing for me. It is totally foreign to my nature and radically opposed to my temperament and opinions. Physics is my line. I know I shall do great things here. For, each man can do best and excel in only that thing of which he is passionately fond, in which he believes, as I do, that he has the ability to do it, that he is in fact born and destined to do it. My success will not depend on what A or B thinks of me. My success will be what I make of my work. Besides, India is not a land where science cannot be carried on.

Mark those last words in the above quotation. Bhabha continued:

I am burning with a desire to do physics. I will and must do it some time. It is my only ambition. I have no desire to be a 'successful' man or the head of a big firm. There are intelligent people who like that and let them do it. I hear you saying 'But you are not Socrates or Einstein'. No — and that is what Berlioz's father said to Berlioz. He called him a useless musician when he was young — Hector Berlioz who is now accepted as one of the world's greatest geniuses and France's greatest musician. How can anybody else know at what time what one will do, if there is nothing to show. ... It is no use saying to Beethoven 'You must be a scientist for it is a great thing', when he did not care two hoots for science; or to Socrates 'Be an engineer; it is the work of an intelligent man'. It is not in the nature of things. I therefore earnestly implore you to let me do physics.

Bhabha's yearning for physics was perfectly understandable. Not only did he have the intrinsic mathematical ability so necessary for a

successful physicist, but more important, this was also the period when physics was going through a major revolution — see the companion volume *The Quantum Revolution: Part I*. Added to all this, Rutherford's lab in Cambridge was regularly churning out sensational discoveries. And to cap it all, there was Dirac there in Cambridge, adding poetry to physics. Is it any wonder that Bhabha's attention turned where it did?

Bhabha's father saw his son's point and yielded. But he made a deal. He said that he would finance his [Homi's] stay in Cambridge for two more years to enable him to take the Mathematics Tripos, provided he completed his studies in mechanical engineering and came out successful. Just before the Mechanical Tripos exam, Bhabha wrote to his father: "No exam was ever a test of original or creative ability in anybody. However, don't let that disturb you; you shall get the results you want."

Bhabha came through the Mechanical Tripos with a first class. True to his promise, his father now allowed Homi to study mathematics. Two years later, Bhabha cleared the Mathematics Tripos, once again with a first.

Unlike in India, Bhabha seems to have developed a liking for athletics and sports in Cambridge. W.B. Lewis, a fellow student at Cambridge and who later headed the Atomic energy programme in Canada (and in that capacity came into close contact with Bhabha) has this to say:

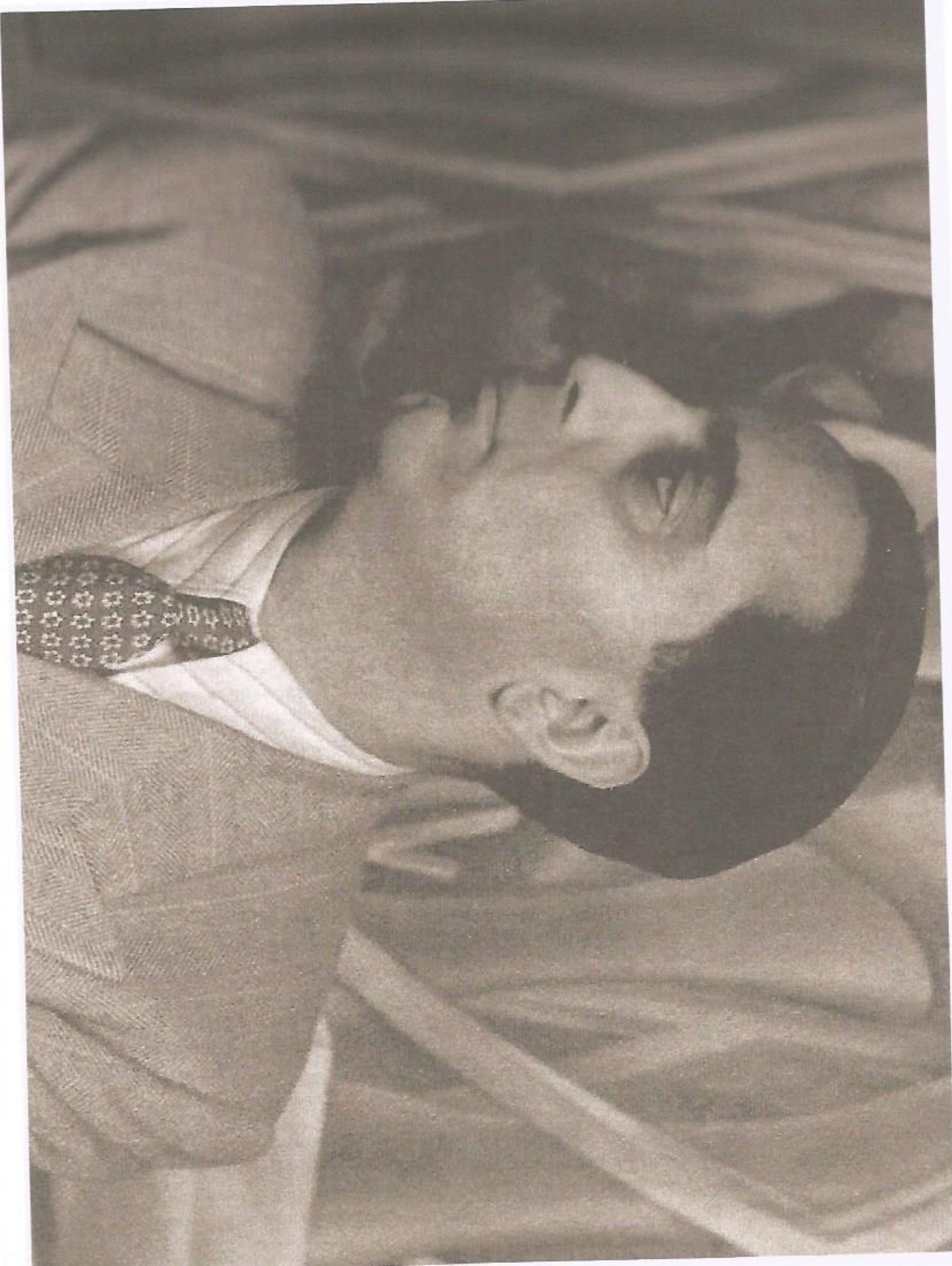
We first met as freshmen at Cambridge in the same college, Gonville and Caius, in 1927, and in its boat club ... Being at first light in weight, Homi Bhabha was appreciated as a coxswain in the rowing eights; he was, however, growing and putting on weight so he transferred his athletic activities to track running at "Fenners" [playground in Cambridge] and to tennis.

After completing the Maths Tripos, Bhabha won the Rouse Ball Travelling Fellowship in 1932 which enabled him to travel to other places and work there. Thus he went to Zurich to work with Pauli and later to Rome to work with Fermi. By now he was well into research and in 1934 he was awarded the Isaac Newton Studentship. He held this studentship for three years, working mainly in Cambridge with a short spell in Bohr's Institute in Copenhagen. In between, Bhabha completed the requirements for the Ph.D. degree. His thesis supervisor was R.H. Fowler, who was also the supervisor for Chandrasekhar (see the volume, *Chandrasekhar and His Limit*).



Dr. BHARNA'S FAMILY


C Dr. BHARNA ON LEFT SITTING





Bhabha and Dirac at Bombay during Dirac's visit





Dear Bhai

11601