

# Spark Plasma Sintering Facility at Laboratory for Biomaterials, IIT Kanpur

(Please fill this form carefully with all the required information)

Name of the user:

Organisation/Institute:

Purpose (write whatever applicable):

a) Project work (mention details of the title and sponsoring agency)

b) PhD Work/any other (mention the name of the student and thesis title, if available):

## **Sample details:**

Number of samples:

Sample composition:

Volatile elements, if any:

Sample diameter:

Thickness of the sample:

## **SPS Experiment details:**

Proposed start date:

Sintering Temperature:

Heating pattern (draw a schematic heating pattern or mention the heating rate or any intermediate hold temperature):

Maximum Pressure:

Atmosphere : Vacuum/Argon

Sintering time:

## **SPS Charges:**

The charges towards the consumable and contingency expenses per SPS run is Rs. 4,000+ 12.4 % tax on the total amount and the Demand Draft (DD) for the total amount is to be made in favor of 'The Director, IIT Kanpur' payable at State Bank of India, IIT Kanpur. DD is to be submitted before the completion of the SPS experiments.

## **Declaration:**

SPS facility at IIT Kanpur is procured with partial funding from Department of Science and Technology, Government of India as well as CARE funding from IIT Kanpur. All the users, while publishing the SPS results in a research paper / technical report / PhD thesis, must therefore take the responsibility in putting the following in the Acknowledgement section:

**“The use of SPS facility at IIT Kanpur, procured with partial funding from Department of Science and Technology, Government of India as well as CARE funding from IIT Kanpur, is gratefully acknowledged.”**

(User's Signature)

(Forwarded by PI/thesis supervisor)

(SPS co-ordinator)