



PREBID REPORT

The online meeting for Pre-bid discussion and presentation was held via Google Meet on Jan 27, 2025 @ 11:30 A.M. at IIT Indore for Procurement of **TEM Sample Preparation Equipments** through **CPP Portal**, Tender ID- **2025_IITI_845120_1**.

The report of the meeting is as below:-

Sl. No	Firm Name	Reference Document	Query Raised/Suggestions	Response/ Clarification from IITI
a.	M/s. Mascotek Scientific Private Limited	This Part-B section contains the specifications of all the equipment required for the bulk specimen preparation. For preparing high quality bulk TEM samples with the required dimensions, the compatibility among the sample preparation equipment is required. Hence, the technical and financial bids should be submitted for all equipment and their respective items	<p>Our company Mascotek Scientific Pvt Ltd manufacture TEM and SEM specimen preparation equipment in India. Our objective is to indigenously design, develop and manufacture TEM and SEM sample preparation equipment as import substitution towards reaching the common goal set forth by the Government of India under the "Make in India" initiative. Presently, we manufacture Disc Punch, Disc Grinder, Low Speed Diamond Wheel Saw, Dimple Grinder, Twin Jet Electropolisher, TEM Plasma Cleaner which essentially covers almost nearly all the bulk TEM specimen preparation equipment. At this point however we are not manufacturing Ion Beam Milling system for TEM. Kindly note that our customers for the above mentioned equipment include IISC, IIT Bhilai, IIT Ropar, IIT BHU, NIT Warangal, IGCAR, etc. We have not supplied Ion Beam Milling System to any of these customers. As you may be aware there are only three manufacturers of TEM Ion Milling Systems</p> <ol style="list-style-type: none">1. Gatan USA2. Fischione USA3. Technoorg Linda, Hungary <p>All our above customers mentioned have ion milling systems from either of three manufacturers mentioned above. However, for the bulk specimen preparation,</p>	<p>In order to get high-quality HRTEM/STEM imaging, it is extremely important to prepare a good TEM sample with wide and thin wedge regions from the bulk ingot. Hence, the Low-Speed Saw, Disc Grinder, Disc Punch, Dimple Grinder, and Ion milling equipment must be used sequentially to obtain a high-quality TEM specimen. Further, it is difficult to judge the specimen quality after a few intermediate stages, i.e., after the Disc Punch or Dimpling process, whether it turns out to be a good TEM sample or not at the end. Hence, the vendor must submit the bid for all the equipment mentioned in the tender and must demonstrate the preparation of a good TEM sample after the successful installation of all TEM sample</p>

			<p>they use our machines and are satisfied with the performance. It is important to note that all our above equipment namely Disc Punch, Disc Grinder, Low Speed Diamond Wheel Saw, Dimple Grinder are individual machines having their own specific functionality and therefore the question about compatibility of any of these equipment does not arise. As mentioned already, all our equipment perform well and we would be happy to demonstrate the machines at your site and prepare your samples if you may so desire. We can of course submit you customer satisfaction letters or installation certificates for your consideration. We hope you would understand that not having a TEM Ion Beam Milling System in our portfolio today should not deny us the opportunity to quote for the other machines we have in the portfolio namely Disc Punch, Disc Grinder, Low Speed Diamond Wheel Saw, Dimple Grinder. We therefore request you to kindly consider separating the Ion Beam Milling System and all other bulk specimen preparation equipment in two separate tenders or alternatively relax your requirement of prospective bidders to quote for all equipment as per the clause mentioned above in Essential Criteria.</p>	<p>preparation equipment. Considering the above-mentioned reasons, we regret to inform you that it would not be possible to split the tender into Ion Milling as one part and the rest of the equipment as another part or evaluate each piece separately.</p>
b	M/s. Mascotek Scientific Private Limited	<p>The company should have the experience of setting up at least 10 such TEM Sample Prep labs in India. User names & references should be provided along with the bid.</p>	<p>Our company Mascotek Scientific Private Limited are manufacturers of SEM and TEM specimen preparation Equipment in India. We design and manufacture all our machines in Pune and have a robust service network. Our company was started in May 2022 with an objective of indigenously manufacturing specimen preparation equipment in India. We already have several customers such as IISC, IIT Bhilai, IIT Ropar, IIT BHU, NIT Warangal, IGCAR, etc. and are satisfied with our machines, however we still do not have 10 installations for our machines. We therefore request you to kindly consider revising your criteria from 10 satisfactory installations to two satisfactory installations in previous three years. This will give us an opportunity to quote for the tender and help the common objective set forth by the Government of India under the "Make in India" initiative..</p>	<p>As TEM sample preparation equipment is highly sophisticated, it is desirable to purchase it from a highly reliable, quick service-oriented vendor who has a proven track record of at least 10 successful installations in India. Hence, it is not possible for us to compromise on this point.</p>
c	As per NIT		<p>Verbal queries regarding the terms and conditions.</p>	<p>All queries were properly addressed and resolved satisfactorily.</p>

Note-

1. The date of submission of bids & opening of bids remain unchanged.
2. All prospective/willing bidders are requested to take note of this report as part of the tender document. All other parts of the tender including the terms and conditions will remain unchanged.


 Deputy Registrar
 MM Section
 जपा निपुणसचिव
 (सामग्री प्रबंधन विभाग)
 Deputy Registrar
 (Materials Management Section)

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