Minutes of Pre-bid Conference

Tender no.:	**TEQIP-II/MNNIT/24 Dated 15.04.2015**
For :	Shake Table
Date & time:	05.05.2015 at 11.30 Hrs.
Venue:	Conference Room, MNNIT (adjacent to Purchase Office)

The following participants attended the conference:

Representatives of MNNIT:

1- Dr. A.K. Sachan, Head CED
2- Dr. P.K. Mehta, CED
3- Dr. Rakesh Kumar, CED
4- Coordinator TEQIP-II
5- Nodal Officer (Finance), TEQIP-II
6- Nodal Officer (Procurement), TEQIP-II
7- Dr. Samir Saraswati, Nominated Member, TEQIP-II
8- Registrar

Representatives of Prospective Bidder's:

Sl. No.	Name of Firm	Represented by
1.	**M/s Aimil Ltd.,** Naimex House, BSEL Tech Park, B Wing, 11th Floor, Sector 30A, Plot No. 39/5 & 39/5A, Opp. Vashi Railway Station, Vashi, Navi Mumbai-400705	Mr. Vinod Kumar & Mr. Nilesh Nayak
2.	**M/s Spectral Dyanmics - India (Direct),** Rehoboth, 174/1B/1 (new 479) Solanipuram, Roorkee 247667 Uttarakhand	Mr. Deepak Jariwala Regional Manager (SE Asia)

Opening Remarks

(i) The Nodal Officer (Procurement), TEQIP-II had conducted the Pre-Bid Conference and at the beginning welcomed to everybody attending the Pre-Bid Conference for the aforesaid open tender.

(ii) It was explained that purpose of Pre-Bid Conference is to explain the various important provisions of the bidding documents to the prospective bidders and to clarify any queries that the bidders may have in the subject bidding documents.

(iii) The indenter discussed a brief description about the equipment, as per the Tender document, before the audience.

(iv) The members representing the bidders were asked to furnish their queries in written format so that the replies to the same can provided by the purchaser. Replies to the queries are presented in ***Table-1.***

(v) The Nodal Officer (Procurement), TEQIP-II expressed his profound gratitude to the participants for their active involvement.

(vi) The meeting ended with a vote of thanks to the chair.

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Table-1
Minutes of Pre-bid Conference

Sl. No.	Firm	RFP Reference(s) (Section, Page)	Points in tender document	Points of Clarification Required / Query	Resolution
1.	**M/s Aimil Ltd., New Delhi**	Section VI	• Table Size: 1.2m×1.8m • Weight of table: 8 kN • Maximum Payload: 40 kN Maximum Displacement: 75mm • Maximum Velocity: 1.5m/s • Maximum Acceleration: 5g • Thrust: 50 kN • Peak to Peak stroke: 150mm • Pump flow: 235lpm • Accumulations: 1 ltr. actuator	• Table Size: 1.2m×1.8m • Weight of table: 8 kN • Maximum Payload: 40 kN Maximum Displacement: 75mm • Maximum Velocity: 1.5m/s • Maximum Acceleration: 5g • Thrust: 50 kN • Peak to Peak stroke: 150mm • Pump flow: 235lpm • Accumulations: 1 ltr. actuator	• Table Size: 2.0m×2.0m • Weight of table: 10 kN • Maximum Payload: 40 kN • Maximum Displacement: 150mm • Sustained Velocity: 0.3m/s and Peak Velocity: 0.6m/s • Maximum Acceleration: Dual Axis 2g, 100Hz, MEMs based accelerometer • Thrust: 50 kN • Peak to Peak stroke: 300mm • Pump flow: 65lpm • Accumulations (Hydraulic UPS): 10 ltr. capacity • Servo Valve capacity: 2×100 LPM (200 LPM) • Servo hydraulic Actuators: 100 kN

					dynamic capacity for horizontal motion • Digital Servo controller, LVDT, Power Pack, PC, Application Software for seismic Simulation
2.	**M/s Spectral Dyanmics - India (Direct), Roorkee**	Section VI	• Table Size: 1.2m×1.8m • Weight of table: 8 kN • Maximum Payload: 40 kN Maximum Displacement: 75mm • Maximum Velocity: 1.5m/s • Maximum Acceleration: 5g • Thrust: 50 kN • Peak to Peak stroke: 150mm • Pump flow: 235lpm • Accumulations: 1 ltr. actuator	• What is the purpose of the table? • What kind of tests will be performed? • What frequency range of operation? • Does the stated peak acceleration refer to bare table or to table with test item? • What kind of controller you will be using?	• Shaking table tests have the advantage of well controlled large amplitude, multi-axis input motions and easier experimental measurements. The purpose of the table is to validate the numerical models or to understand the basic failure mechanism. It can be used for the assessment of the dynamic and seismic behaviour of civil engineering structures to understand the ability of structures to withstand the various types of seismic waves generated by earthquakes • There are several experiments that can be performed to test the response of structures to verify their seismic performances. It will help for shaking structural models with a wide range of simulated ground motions, including reproductions of records earthquake and global models of structures as smaller scales. It will help to investigate the models in the field of a wide range of fluid-structure interactions and soil-structure interactions problems. • It range of frequency will be 0 to 50 Hz. • The states peak acceleration refers to the table with test item • The servo-hydraulic controller system may be used. Further it is requested to provide the performance curve of the shake table for 100% payload, 50% of payload and no payload conditions.

आशीष 11.05.2015
संकाय प्रभारी-क्रय/Faculty Incharge Purchase
मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
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