

CSIR-CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE
MG AVENUE, DURGAPUR – 713 209 [WEST BENGAL]

AMENDMENT TO CSIR-CMERI BIDDING DOCUMENTS AFTER PRE-BID CONFERENCE

File Ref	Brief Description of the Item
PUR/204/ADMAC/04/2016-17	SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PLC CONTROLLED SURFACE GRINDING MACHINE ALONG WITH ACCESSORIES

The following amendments have been made to the Technical Specifications

Section No.	Specification detailed in CSIR-CMERI bidding document (Ref: PUR/204/ADMAC/04/2016-17)	Amended Specification (After Pre-Bid Conference)
2.004	Permissible weight on table (min.) : 300 kg	Weight capacity on table: minimum 300 kg
2.022	Longitudinal travel : 700 mm minimum	Longitudinal travel : minimum 700 mm
2.023	Table speed (infinitely variable) : 1 mm/min - 25,000 mm/minute or better.	Table speed (infinitely variable) : 1 mm/ minute - 25,000 mm/minute or better
2.034	Vertical feed rate range (infinitely variable) : 0 to 300 mm/ min or better	Vertical feed rate range (infinitely variable) : 0 to 300 mm/ minute or better
2.055	Spindle cone : compatible with the above wheel dia. (section 4.25.2)	Spindle cone : compatible with the above wheel dia. (section 2.054)
2.071	The accuracies & repeat-abilities must be in DIN 8632-1 standard or any other equivalent standard. The Axis accuracy of the machine should conform VDI/DGQ3441 Standards or any other equivalent standard.	Geometrical accuracies of the machine as per IS 2743 or DIN 8632-1 standard or any other equivalent standard.
2.072	Positional accuracy (X,Y,Z axis) : 0.005 mm or better	Positional accuracy (X,Y,Z axis) : 0.005 mm or better refer IS 2743 or equivalent standard
4.006	Three point dressing device: 1 No. (With diamond dresser 10 Nos.)	Three point dressing device: 1 No. (With 5 carat diamond dresser 10 Nos.)
4.010	Variable frequency drive for spindle.	Deleted
4.011	Sufficient Nos. of Machine Lamps with accessories to be provided at work area of the machine.	Machine Lamp with accessories to be provided at work area and Lamp must be in Control Panel Cabinet of the machine.
4.012	First Filling of all type of Consumables like Grease, Hydraulic Oil, Lubricant, Gearbox Oil, Coolant etc.	First Filling of all type of Consumables like Grease, Hydraulic Oil, Lubricant, Gearbox Oil, Coolant etc whichever is applicable.
4.013	Appropriate grinding wheels for grinding of steel, stainless steel, alluminium alloy---- 2 nos. Each	Appropriate grinding wheels for grinding of steel, stainless steel, alluminium alloy: 2 nos. each (total 6 wheels).
5.001	OEM will manufacture at least 01 no. standard test piece on the machine (which will be supplied to CMERI) and forward the inspection report, test piece to CSIR-CMERI along with M/C test Chart report. The cost involve in this will have to be borne by the OEM.	OEM will manufacture at least 01 no. of standard test piece as per IS 2743 or DIN 8632-1 or equivalent standard within the capacity (maximum) of the machine, which will be supplied to CSIR-CMERI with the inspection report along with M/C test Chart report.

6.001	Installation, commissioning & proving of the machine to its desired capacity and complete satisfaction of the CSIR-CMERI will be done by the OEM's engineer. Commissioning work including acceptance test/component trial will be carried out by the OEM within one month from the date of completion of erection of machine at CSIR-CMERI.	Installation, commissioning & proving of the machine to its desired capacity and complete satisfaction of the CSIR-CMERI will be done by the OEM's engineer/ OEM certified factory trained engineer. Commissioning work including acceptance test/component trial will be carried out by the OEM within one month from the date of completion of erection of machine at CSIR-CMERI.
6.002	During commissioning at least 01 no. of standard test piece will be produced on the machine and test piece will be inspected for dimensional tolerance, accuracies, surface finish, straightness, perpendicularity, parallelism etc. and machine will be calibrated by using laser interferometer. All the toolings, work holding devices, laser interferometer & Standard Test pieces will be supplied by the CSIR-CMERI for machining different samples.	During commissioning at least 01 no. of standard test piece as per IS 2743 or DIN 8632-1 or equivalent standard within the capacity (maximum) of the machine will be produced on the machine and test piece will be inspected for dimensional tolerance, accuracies, surface finish, straightness, perpendicularity, parallelism etc. Grinding wheel & Work Material will be supplied by the CSIR-CMERI for grinding of different samples.
7.001	The OEM shall have to provide training exclusively for 6 to 7 working days in the field of programming, operation, maintenance, mechanical/hydraulic/electrical etc. to CSIR-CMERI personnel by OEM experts at CSIR-CMERI site during commissioning of the machine.	The OEM shall have to provide training exclusively for 6 to 7 working days in the field of programming, operation, maintenance (mechanical, hydraulic, electrical & electronics) etc. to CSIR-CMERI personnel by OEM's engineer/ OEM certified factory trained engineer at CSIR-CMERI site after commissioning of the machine.
11.002	The machine model being offered must be a standard latest model and in manufacturing line for not more than two years. The OEM must have at least 5 installation of the offered machine in India or abroad (Documentary evidence must be submitted).	The machine model being offered must be a standard latest model. The Date of dispatch should be within One Year from date of manufacturing. The OEM must have at least 5 installations of the offered system/configuration globally. (Documentary evidence must be submitted).
12.001	The basic machine cost should also include any optional items needed to comply the above specifications, the charges for the pre-dispatch inspection, installation & commissioning, training on site etc.	There may be some items which may be optional for some OEM/ bidders but are essential to demonstrate the machine as per specification. The cost of those items needs to be included in the basic machine cost. This basic machine cost along with the charges for installation & commissioning, training on site etc shall be considered in price bid evaluation.
12.002	The prices of the essential items (as per section no. 4.000, Essential Accessories) to be mentioned separately.	The prices of the optional items (as per section no. 10.000 Optional Accessories) to be mentioned separately but it will not be considered for price bid comparison.
12.008	The accuracies & repeatability's must be in DIN 8632-1 standard or any other suitable international standard.	Deleted

REVISED ESSENTIAL CRITERIA, AFTER INCORPORATION OF AMENDMENTS

Sl. No.	ESSENTIAL CRITERIA:
01	Minimum Ground surface of job: length 600 mm x width 300 mm x height 350 mm.
02	Working surface of table (Grinding Area) : minimum 600 x 300 mm
03	Weight capacity on table: minimum 300 kg
04	Longitudinal travel : minimum 700 mm
05	Table speed (infinitely variable) : 1 mm/minute - 25,000 mm/minute or better
06	Vertical Travel of wheel head : minimum 400 mm
07	Vertical feed rate range (infinitely variable) : 0 to 300 mm/ minute or better
08	Cross travel : minimum 350 mm
09	Cross feed range (infinitely variable) : 0.5 mm/stroke - 25 mm/stroke or better
10	Spindle speed (infinitely variable) : 1000 - 3000 rpm or better
11	Spindle head drive Motor capacity: Minimum 5 kW
12	Manual Pulse generator (MPG) mode of operation for precise control of vertical / in feed & cross (Resolution 0.001 mm).
13	Geometrical accuracies of the machine as per IS 2743 or DIN 8632-1 standard or any other equivalent standard.
14	The machine model being offered must be a standard latest model. The Date of dispatch should be within One Year from date of manufacturing. The OEM must have at least 5 installations of the offered system/configuration globally (Documentary evidence must be submitted).
15	Comments like “yes”, “agreed”, “will be given at the time of supply”, “confirmed” and “will be completed” are not acceptable where numerical values are required to be quoted.

THE DEADLINE FOR SUBMISSION OF BIDS / DATE OF OPENING OF TECHNO-COMMERCIAL BIDS OF THE AFORESAID TENDER IS ALSO EXTENDED AS SHOWN BELOW :

REVISED DEADLINE FOR SUBMISSION OF BIDS	09 MARCH 2017 UPTO 2.30 PM IST
REVISED DATE FOR OPENING OF TECHNO-COMMERCIAL BIDS	09 MARCH 2017 AT 3.00 PM IST

THE BIDDING DOCUMENT OF THE ABOVE CSIR-CMERI TENDER IS AMENDED TO THE EXTENT INDICATED ABOVE. ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

THE ABOVE AMENDMENTS ALSO AMOUNT TO AMENDMENTS OF THE RELEVANT PROVISIONS OF THE BIDDING DOCUMENTS

STORES AND PURCHASE OFFICER