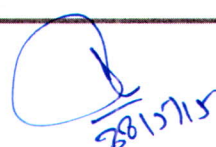


Office of the Development Commissioner (MSME),
Ministry of Micro Small and Medium Enterprises,
Government of India

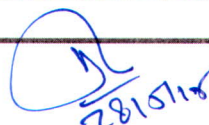
**Addendum/Corrigendum No. 1 dated 28th May, 2015 to
ICB No. 21/TCSP/GOODS/P3/2015/TR/TC (Package - 3)**

This Addendum/Corrigendum no. 1 forms an integral part of the Bidding Document for Supply of 10 Lots of Machines and Equipment required for IGTR Aurangabad and CTTC Bhubaneswar.

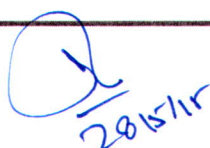
Sr. No.	Reference	Existing Clause	Revised/New Clause
Section VII Schedule of Requirements			
Form 3. Technical Specifications			
1.	Lot No. 1&6: 3-D Additive Manufacturing Machine- Metal Serial No. 3-15b	Filters for serving 15000 hrs to be supplied along with the system	200 nos. of filters to be supplied along with the system.
2.	Lot No. 1&6: 3-D Additive Manufacturing Machine- Metal Serial No. 3-19b	Part removal system from platform.	Deleted
3.	Lot No. 1&6: 3-D Additive Manufacturing Machine- Metal Serial No. 3	-	21) FUTURE UPGRADATION Machine quoted should have option to upgrade for currently available material and also for future materials
4.	Lot No. 1 & 6: 3-D Additive Manufacturing Machine- Metal Serial No. 5c	Clamping systems for firm holding of the work platform / referencing	EROWA/ System 3R Clamping systems for firm holding of the work platform / referencing
5.	Lot No. 1 & 6: 3-D Additive Manufacturing Machine- Metal Serial No. 5i	Build and Support Materials required for 1000 hours of usage for each of at least two material options i.e. Maraging Steel, Ti-64/ TiAl64 & Inconel to be indicated	Deleted
6.	Lot No. 1 & 6: 3-D Additive Manufacturing Machine- Metal Serial No. 3-18 Support Material	The supplier shall also supply 100 kgs of each commercially available powder of the following materials. a) Hot Die Steel 11 b) Aluminium alloy BSL 168 c) Stainless steel SS 304 d) Ti alloy Ti-6Al-4v e) Nickle alloy 1N 718	The supplier shall also supply 100 kgs of each commercially available powder of the following materials. a) Hot Die Steel 11 or equivalent for die casting tooling b) Aluminium alloy BSL 168 or Alsi 10 Mg alloy or equivalent c) Stainless steel SS 304 or SS 316 L d) Ti alloy Ti-6Al-4v e) Nickle alloy 1N 718



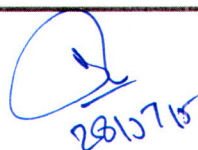
Sr. No.	Reference	Existing Clause	Revised/New Clause								
7.	Lot No. 1 & 6: 3-D Additive Manufacturing Machine- Metal Sr. No 6 PROVEOUT OF SAMPLE PARTS/ Qualification material	The part as per drawing to be provided by the purchaser to the supplier after placement of the contract should be built by the supplier on the same machine (same Model) which is being offered, using raw material as Aluminium and Maraging Steel and Inconel during pre-dispatch inspection.	<p>The part as per drawing to be provided by the purchaser to the supplier after placement of the contract should be built by the supplier on the same machine (same Model) which is being offered, using raw material as Aluminium and Maraging Steel and Inconel during pre-dispatch inspection.</p> <p>The parts (3 Nos.) should be made during the pre-dispatch inspection without any post processing and as built condition.</p> <p>STL files would be supplied on receipt of written request from the supplier. Surface finish and dimension accuracy would be assessed vis-a-vis CAD-STL details of the parts.</p> <p>Provisional drawings wherever required to inspect parts may also be provided.</p> <table border="1"> <thead> <tr> <th>S l. N o</th><th>Part detail s</th><th>Material</th><th>Quan tity</th></tr> </thead> <tbody> <tr> <td>1</td><td>Insert</td><td>1)Maraging Steel 2)Aluminium 3)Inconel</td><td>01 each</td></tr> </tbody> </table> <p>Chemical Analysis / Metallographic Analysis / Material testing</p> <p>a) Chemical check analysis of Maraging Steel; Aluminum; or IN-718 / AMS-5662 shall be checked as per AMS 2269D / ASTM E354 standards.</p> <p>b) Metallographic analysis of Maraging Steel; Aluminum / IN-718 part as per AMS-2316 standard</p> <p>c) Room temperature tensile testing for both materials as per ASTM E8 Standard.</p> <p>d) Elevated temperature tensile testing of IN-718 at 650°C as per ASTM E21 standard</p> <p>Aluminum alloy AlSi10Mg composition reference as per AMS equivalent</p>	S l. N o	Part detail s	Material	Quan tity	1	Insert	1)Maraging Steel 2)Aluminium 3)Inconel	01 each
S l. N o	Part detail s	Material	Quan tity								
1	Insert	1)Maraging Steel 2)Aluminium 3)Inconel	01 each								
8.	Lot No. 1 & 6: 3-D Additive Manufacturing Machine- Metal Sr. No 3-9e	<p>a) Mechanical properties at different temperature and before and after heat treatment such as</p> <p>i. Tensile Strength in horizontal (XY) and in vertical direction (Z)</p>	Deleted								



Sr. No.	Reference	Existing Clause	Revised/New Clause
		ii. Yield Strength (0.2%PS) in horizontal (XY) and in vertical direction (Z) iii. % Elongation at break in horizontal (XY) and in vertical direction (Z) iv. % Reduction in Area (%RA) in horizontal (XY) and in vertical direction (Z) v. Modulus of elasticity in horizontal (XY) and in vertical direction (Z) vi. Hardness as per EN ISO 6508-1 on polished surface. vii. Fatigue life viii. Creep / Stress-Rupture life	
9.	Lot No. 2: 3-D Polymer Additive Manufacturing Machine Serial No. 2	Types of Material the machine Should handle: Aluminium Composite Material	Deleted
10.	Lot No. 2: 3-D Polymer Additive Manufacturing Machine Serial No. 6 Material	The vendor should also quote for 100 kgs of each commercially available powder of the materials following materials. a) Nylon 11 b) Nylon 12 c) 30% Glass filled polyamide d) Polyamide Elastomer D ISO 86835 e) Aluminium Composite f) Polystyrene	The vendor should also quote for 100 kgs of each commercially available powder of the materials following materials. a) Nylon 11 or equivalent b) Nylon 12 or equivalent c) 30% Glass filled polyamide d) Elastomer e) Polystyrene
11.	Lot No. 2: 3-D Polymer Additive Manufacturing Machine Serial No. 12 Training	The bidder shall provide training for two weeks for two engineers at manufacturer's premises for application/ operations, routine maintenance, and safety of the equipment. The cost of training shall be furnished in the Form 6 of Price and completion schedule – Related services (Section IV Bidding Form). The expenses of the travel, lodging, and boarding will be borne by the buyer. 2 week follow up training during commissioning out of which one week each on the following i. Operation and maintenance	The bidder shall provide training for two weeks for two engineers at manufacturer's premises for application/ operations, routine maintenance, and safety of the equipment. The cost of training shall be furnished in the Form 6 of Price and completion schedule – Related services (Section IV Bidding Form). The expenses of the travel, lodging, and boarding will be borne by the buyer. 2 week follow up training during commissioning on operation and maintenance.

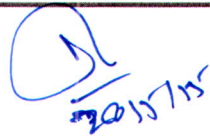


Sr. No.	Reference	Existing Clause	Revised/New Clause				
		ii. Optimal cooling design and design support					
12.	Lot No 3: 3- D Scanner Sr. No 4-4.1 Technical Data Field of View	<table><tr><td>500 Field View</td><td>750 x 630 x 500</td></tr></table>	500 Field View	750 x 630 x 500	<table><tr><td>500 Field of View</td><td>480 x 400 x 250</td></tr></table>	500 Field of View	480 x 400 x 250
500 Field View	750 x 630 x 500						
500 Field of View	480 x 400 x 250						
13.	Lot No 3: 3- D Scanner Sr. No 4-4.1 Technical Data Calibration System Benchmark	VDI/DGQ 2634 Part 2	VDI/DGQ 2634				
14.	Lot No. 4: CNC Wirecut Electric Discharge Machine Model Submerged Type Serial No. 4.5 Axis	Positional tolerance for full stroke in each axis: +/- 0.002 mm or more per 800 mm	Positional tolerance for full stroke in each axis: +/- 0.003 mm or less per 800 mm				
15.	Lot No. 4: CNC wire cut Electric Discharge Machine Submerged type SI.3	Machine tool - Fixed Table moving column machine	Deleted				
16.	Lot No. 5: CNC Jig Grinding Machine Serial No. 3 Features	Taper grinding, divergent and convergent tapers up to 120 degree included angle, with the help of CNC synchronous interpolation in Z-U axis mode of operation	Taper grinding, divergent and convergent tapers up to 100 degree included angle, with the help of CNC synchronous interpolation in Z-U axis mode of operation				
17.	Lot No. 5: CNC Jig Grinding Machine Serial No. 4.1 Technical Data	Table Travel Y Axis 600 mm or more	500 mm or more.				
18.	Lot No. 5: CNC Jig Grinding Machine Serial No. 4.1 Technical Data Maximum Grinding Diameter in Planetary mode	140 mm or more	120 mm or more				

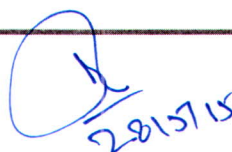


Sr. No.	Reference	Existing Clause	Revised/New Clause																								
	with grinding motor in U axis in centre position in automatic grinding mode																										
19.	Lot No. 8: CNC Multi Axis Micro Machining Centre S.No. 4.1	-	<div>New point in 4.1 has been added</div> <table><tr><th colspan="3">ACCURACY as per VDI/DGQ 3441 standards</th></tr><tr><td>1.0</td><td colspan="2">Linear Axis</td></tr><tr><td>1.1</td><td>Positional accuracy (All linear axis)</td><td>0.006mm or better over full traverse</td></tr><tr><td>1.2</td><td>Repeatability</td><td>0.005mm or better</td></tr><tr><td>2.0</td><td colspan="2">Rotary Axis</td></tr><tr><td>2.1</td><td>Positional accuracy (All rotary axes)</td><td>8 arc seconds or better over full traverse</td></tr><tr><td>2.2</td><td>Repeatability</td><td>4 arc second or better</td></tr><tr><td>3.0</td><td>Spindle run out</td><td>3μ or better</td></tr></table>	ACCURACY as per VDI/DGQ 3441 standards			1.0	Linear Axis		1.1	Positional accuracy (All linear axis)	0.006mm or better over full traverse	1.2	Repeatability	0.005mm or better	2.0	Rotary Axis		2.1	Positional accuracy (All rotary axes)	8 arc seconds or better over full traverse	2.2	Repeatability	4 arc second or better	3.0	Spindle run out	3μ or better
ACCURACY as per VDI/DGQ 3441 standards																											
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2.1	Positional accuracy (All rotary axes)	8 arc seconds or better over full traverse																									
2.2	Repeatability	4 arc second or better																									
3.0	Spindle run out	3μ or better																									
20.	Lot No. 8: CNC Multi Axis Micro Machining Centre S.No. 3 Features/Basic Machines	All the three (X, Y, Z) axes should be on the spindle, A, B & C Axis should be on table.	Machines should be equipped with linear axis (X,Y,Z,U/W), rotary axis (A&C) and swivel axis B.																								
21.	Lot No. 9: High Precision CNC Wirecut Electric Discharge Machine - Submerged Type Serial No. 4.2	Positional tolerance for full stroke in each axis: +/- 0.002 mm or more per 300 mm	Positional tolerance for full stroke in each axis: +/- 0.002 mm or less per 300 mm																								
22.	Lot No. 9: High Precision CNC Wirecut Electric Discharge Machine - Submerged Type Serial No. 4.2	Positioning Repeatability: +/- 0.001 mm or better	Positioning Repeatability: +/-0.002 mm or better																								
23.	Lot No. 9: High Precision CNC Wirecut Electric Discharge Machine - Submerged Type Serial No. 4.2	Positioning accuracy: +/- 0.001 mm or better	Positioning accuracy: +/- 0.002 mm or better																								
24.	Lot No. 9: High Precision CNC Wirecut Electric Discharge Machine	Fixed table, moving column machine	Deleted																								

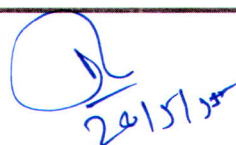
Sr. No.	Reference	Existing Clause	Revised/New Clause
	- Submerged Type Serial No. 3: Features/Machine Tool		
25.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Features	Tool holding / cutting Tools must be able to use; Spindle tool adapting suitable for automatic tool change as per HSK-E50	Tool holding / cutting Tools must be able to use; Spindle tool adapting suitable for automatic tool change as per HSK-E63/ISO 40/BT 40
26.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Features	Tool holding / cutting Tools must be able to use; Suitable to hold all standard milling & turning tool holders	Tool holding / cutting Tools must be able to use; Suitable to hold all standard milling tool holders
27.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Basic Machine	Construction: Gantry type mineral Casting / polymer Concrete preferably.	Construction: Gantry type mineral Casting / polymer Concrete/Monoblock design
28.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Application	Tapping, reaming & other turning applications also	Tapping & reaming applications
29.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Essential Feature	Milling tool spindle mechanical locking system for turning tools	Deleted
30.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 2 Essential Feature	RS-232 Communication port	RS-232 or better Communication port
31.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 4.1 Axis stroke	Resolution X-Y-Z: 0.0001 minimum or better	Resolution X-Y-Z: 0.001 minimum or better
32.	Lot No. 10: CNC 5 Axis Machining Centre Serial No. 4.2 Main Spindle specification	Resolution: 0.0001° or better	Deleted
33.	Lot No. 10:	2 No's of all adaptors for both	One adaptor for standard milling



Sr. No.	Reference	Existing Clause	Revised/New Clause
	CNC 5 Axis Machining Centre Serial No. 5 Standard accessories	standard turning and milling operations	operations.
Invitation for Bids			
34.	Invitation for Bids	8. Bids must be delivered to the address below on or before 1500 hrs (IST) on 9 th June 2015. Electronic bidding <i>will not</i> be permitted. Late bids will be rejected.	8. Bids must be delivered to the address below on or before 1200 hrs (IST) on 18 th June 2015. Electronic bidding <i>will not</i> be permitted. Late bids will be rejected.
35.	Invitation for Bids	9. Bids will be publicly opened in the presence of the bidders' designated representatives, who choose to attend in person at the address below at 1530 Hrs (IST) on 9 th June 2015. All bids must be accompanied by a "Bid Security" as per the form specified in the "Section IV – Bidding Forms" of the bidding document for <i>the amount in local currency or in USD. The requirement of bid security for each lot is specified in Annexure A of Section II Bid Data Sheet.</i>	9. Bids will be publicly opened in the presence of the bidders' designated representatives, who choose to attend in person at the address below at 1230 Hrs (IST) on 18 th June 2015. All bids must be accompanied by a "Bid Security" as per the form specified in the "Section IV – Bidding Forms" of the bidding document for <i>the amount in local currency or in USD. The requirement of bid security for each lot is specified in Annexure A of Section II Bid Data Sheet.</i>
Section II Bid Data Sheet			
36.	ITB 22.1	The deadline for bid submission is: Date: 9 th June, 2015 Time: 1500Hrs (IST)	The deadline for bid submission is: Date: 18 th June, 2015 Time: 1200Hrs (IST)
37.	ITB 25.1	The opening of bids shall be as per below specified date and time: Date: 9 th June, 2015 Time: 1530Hrs (IST) The person attending the bid opening should have valid	The opening of bids shall be as per below specified date and time: Date: 18 th June, 2015 Time: 1230Hrs (IST) The person attending the bid opening should have valid authorization from the authorized signatory of the bidder.



Sr. No.	Reference	Existing Clause	Revised/New Clause
		<p>authorization from the authorized signatory of the bidder.</p> <p>The Bidders shall intimate the name of representative(s) (not more than 2 from one organization) to the above e-mail ID latest by 1000 hrs on 9th June 2015 for facilitating entry passes in Nirman Bhawan.</p>	<p>The Bidders shall intimate the name of representative(s) (not more than 2 from one organization) to the above e-mail ID latest by 1000 hrs on 18th June 2015 for facilitating entry passes in Nirman Bhawan.</p>
38.	ITB 14.8 (a) (i)	<p>Insert the words "excise and other" in between the words "customs" and "duties" in Line 3 of this sub-clause.</p> <p>Add the following at the end of this Clause :</p> <p>Bidders may like to ascertain availability of Deemed Export or other Benefits. They are solely responsible for obtaining such benefits, which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the Purchaser will not compensate the bidder.</p> <p>Where the bidder has quoted taking into account such benefits, he must give all information required along with his bid in the format as per Form "10. Declaration Regarding Deemed Export Benefits" provided in Section IV for issue of Project Authority/ Payment/Other Certificates in terms of the Import Export Policy or central excise notifications. The Project Authority / Payment/Other Certificates will be issued on this basis only and no subsequent change will be permitted. Where such certificates are issued by the Purchaser, Excise Duty if any will not be reimbursed separately.</p>	<p>Insert the words "excise and other" in between the words "customs" and "duties" in Line 3 of this sub-clause.</p>



Sr. No.	Reference	Existing Clause	Revised/New Clause
		Bids which do not conform to this provision or any condition by the bidder which makes the bid subject to availability of deemed export benefits or compensation on withdrawal of or any variations to the deemed export benefits scheme, will be treated as non – responsive and rejected.	
39.	ITB 14.8		<p>Add the following at the end of this Clause :</p> <p>Bidders may like to ascertain availability of Deemed Export or other Benefits. They are solely responsible for obtaining such benefits, which they have considered in their bid and in case of failure to receive such benefits for reasons whatsoever, the Purchaser will not compensate the bidder.</p> <p>Where the bidder has quoted taking into account such benefits, he must give all information required along with his bid in the format as per Form “10. Declaration Regarding Deemed Export Benefits” provided in Section IV for issue of Project Authority/ Payment/Other Certificates in terms of the Import Export Policy or central excise notifications. The Project Authority / Payment/Other Certificates will be issued on this basis only and no subsequent change will be permitted. Where such certificates are issued by the Purchaser, Excise Duty if any will not be reimbursed separately.</p> <p>Bids which do not conform to this provision or any condition by the bidder which makes the bid subject to availability of deemed export benefits or compensation on withdrawal of or any variations to the deemed export benefits scheme, will be treated as non – responsive and rejected.</p>
Section III Evaluation and Qualification Criteria			
40.	3.1 (iii)	the bidder (manufacturer/authorized representative), has supplied, installed and satisfactorily commissioned and provided after sales service for at least three (3) times the quantity of	the bidder quoting as authorized representative should have supplied, installed and satisfactorily commissioned and provided after sales service for at least three (3) times the quantity of similar product as specified in the Schedule of Requirements in any one of the last two



Sr. No.	Reference	Existing Clause	Revised/New Clause
		similar product as specified in the Schedule of Requirements in any one of the last two years, which must be in satisfactory operation for at least one (1) years on the date of bid opening.	years, which must be in satisfactory operation for at least one (1) years on the date of bid opening.
Section IV - Bidding Forms			
41.	Form 8. Manufacturer's Authorization	As included in the Bidding Document.	Revised Form 8. Manufacturer's Authorisation (Revised) as at Annexure 'I' to this Addendum/Corrigendum No. 1
42.	Form 11. Checklist	14. List of spares, special tools, with quantities and current prices and full particulars of available sources required for continuous functioning of equipment including after sales service (with full address of service provider) for a period of 5 years post warranty. 15. Annual maintenance cost for the offered equipment including necessary consumables and spares (with the list) post warranty period	Deleted
Section VII: Schedule of Requirements			
43.	Form No. 1 List of Goods and Delivery Schedule	Column No. 7 Latest Delivery period from the date of award of contract Existing entries against each Lot.	Column No. 7 Latest Delivery period from the date of award of contract Existing entry against each Lot should be read as 24 weeks.
Section IX-Special Conditions of Contract			
44.	GCC 26.2	First Sentence The pre dispatch inspection shall be carried out by Purchaser's nominated inspection agency (purchaser's representative /third party) at supplier's premises.	Revised First Sentence The pre dispatch inspection shall be carried out by Purchaser's nominated inspection agency (purchaser's representative /third party) at supplier's premises within a period of 4 weeks from the date of receipt of inspection call.


 28/5/18

Annexure 'I' to Addendum/Corrigendum No.1 Dated 28th May, 2015
ICB No. 21/TCSP/GOODS/P3/2015/TR/TC (Package – 3)

8. Manufacturer's Authorization (Revised)

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: *[insert date (as day, month and year) of Bid Submission]*

ICB No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid and conclude the contract, the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently sign the Contract and the contract may be **awarded to us* / the contract may be awarded to them.***

***Strike out whichever is not applicable**

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

No company or firm or individual other than M/S are authorized to bid and conclude the contract for the above goods manufactured by us against the specific IFB.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

