



OFFICIAL

Western Parkland City  
Authority

# Request for Tender

## RFT No.: WPCA-AMRF-22-024 RFT Title: Additive Manufacturing Suite – Laser Powder Bed Fusion Package

DETAILS TABLE	
Issue Date	Wednesday, 25 May 2022
RFT Reference Number	WPCA-AMRF-22-024
Closing Date and Time	Thursday, 23 June 2022 5:00pm AEST
Briefing	Wednesday, 1 June 2022 12:00pm AEST
RfX Enquiry Cut Off	Thursday, 16 June 2022 11:59pm AEST
Lodgement Method	NSW etendering
Quotation Validity Period	120 calendar days after the Closing Date and Time
RFQ Contact:	<b>General Queries:</b> WPCA Procurement Attention Stephanie Gerardini Associate Director AMRF at <a href="mailto:Procurement@wpca.sydney">Procurement@wpca.sydney</a>  <b>eTendering system queries:</b> email: <a href="mailto:nswbuy@treasury.nsw.gov.au">nswbuy@treasury.nsw.gov.au</a> phone: 1800 NSW BUY 1800 679 289 (International + 61 2 9372 8333)
Validity Period of Tender Responses	120 days
Contract	The proposed Contract to be entered into between the Authority and the successful Respondent will be issued.
Response Format	Word and pdf or MS Project where relevant

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## Part A: Conditions

### 1 Definitions

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Unless the context indicates otherwise, the following terms, where used in this RFx, have the meanings set out below.

<b>Addendum</b>	means an addition to this RFx made by the Authority before the Closing Time and Date.
<b>Alternative Response</b>	a Non-Conforming Response that is intended to offer a different method of meeting the object and intent of the Requirements.
<b>Closing Time and Date</b>	means the closing time and date for receipt of RFx Responses specified in the Key Dates.
<b>Conditions</b>	means Part A of this RFT.
<b>Contract</b>	means the contract to be entered into between the Authority and the successful respondent for the provision of the Deliverables as described in item 10 of Subpart 1 of the Conditions.
<b>Authority</b>	means Western Parkland City Authority
<b>Deliverables</b>	means the goods or services sought under this RFx, as detailed in the Requirements.
<b>Key Dates</b>	means the dates set out in items 3 to 7 of Subpart 1 of the Conditions.
<b>LPBF</b>	Laser Powder Bed Fusion
<b>Non-Conforming Response</b>	means a Response that does not conform in all aspects to all mandatory requirements in the Requirements or the Contract.
<b>NSW Government and Authority Policies</b>	means NSW Government and Authority policies as added to and changed from time to time.  NSW Government procurement policies including the NSW Procurement Board's Procurement Policy Framework can be viewed at: <a href="http://www.procurepoint.nsw.gov.au/policies/nsw-government-procurement-information">http://www.procurepoint.nsw.gov.au/policies/nsw-government-procurement-information</a>
<b>Respondent</b>	means the respondent to this RFx.
<b>Requirements</b>	means the detailed description of the goods and services contained in Part B.
<b>Response</b>	means the response document to be completed by the Respondent contained in Part C.
<b>RFx</b>	means this request for quotation/tender/proposal (including any Addenda).
<b>WPCA</b>	means Western Parkland City Authority (84 369 219 084) of Level 2, 10 Valentine Avenue Parramatta NSW 2150
<b>Validity Period</b>	means the validity date specified in the Other Details.

## **2 General**

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### **2.1 Conditions**

Each RFx Response should be submitted in accordance with:

- a) these Conditions;
- b) the mandatory requirements set out in the Requirements (except in the case of an Alternative Response delivered in accordance with section 5.1(b));
- c) all other attachments to this RFx; and
- d) any additional terms and conditions that the Authority may notify on the Website, or otherwise provide to the Respondent in connection with this RFx, otherwise the Authority may not consider the RFx Response or may reject it on that basis.

### **2.2 Respondent to inform itself**

By submitting a RFx Response, the Respondent acknowledges that:

- a) it has examined all information relevant to the risks and contingencies and other circumstances having an effect on the RFx Response; and
- b) it has satisfied itself:
  - (i) that the RFx Response, including all price information, is correct and complies with section above; and
  - (ii) that it is financially and practically viable for it to provide the Deliverables.

### **2.3 Validity Period**

Any RFx Response submitted by the Respondent will remain open for acceptance by the Authority for the Validity Period.

### **2.4 Prescribed form of RFx Response**

- (a) The RFx Response must comprise a completed Response and include any attachments to the Response as may be necessary. Any attachments should be labelled to identify those numbered paragraphs of the Requirements to which they relate.
- (b) If a Contract is attached to the RFx document, the Respondent must confirm agreement with the terms of the Contract or indicate in the RFx Response which provisions of the Contract it does not agree with or cannot comply with.
- (c) Prices, responses and other information provided in the RFx Response are to be in writing and in English. All pricing information must be in Australian dollars and be expressed exclusive of GST.

### **2.5 Discrepancies, errors or omissions**

The Respondent should notify the WPCA Procurement in writing on or before the Closing Time and Date if it finds any discrepancy, error or omission in this RFx.

### **2.6 Inconsistencies**

If there is inconsistency among any of the parts of this RFx, the following order of priority will apply so that the higher ranked document will prevail to the extent of the inconsistency:

- (a) any Addenda (in date order for multiple Addenda); then

- (b) the Requirements; then
- (c) the Contract; then
- (d) these Conditions.

## **2.7 Respondent's risk**

The Respondent acknowledges it is participating in this RFx at its sole risk and cost and that the Authority is not liable to it for any expenses or costs incurred by it in connection with this RFx, including where the RFx has been discontinued.

## **2.8 The Authority's rights**

The Authority, at its absolute discretion, may discontinue the RFx process; reject any Response; decline to issue any contract; or procure the Deliverables separately from this RFx process.

## **2.9 Respondent eligibility**

### **2.9.1 Legal entity of Respondent**

- (a) The Respondent may only submit a RFx Response if it is a legal entity with the capacity to enter into and perform the Contract.
- (b) The Authority may ask the Respondent to provide evidence of its legal status or capacity to enter into and perform the Contract. If the Respondent proposes to contract in its capacity as a trustee, such evidence may include copies of the relevant trust deeds. Any evidence requested is to be provided within 3 working days of the request.

### **2.9.2 Financial capability of Respondent**

If, in the opinion of the Authority, the Respondent does not have appropriate financial capability, the Authority reserves the right to:

- a) reject any RFx Response of the Respondent; or
- b) accept any RFx Response conditional upon the Respondent entering into a bank, parent company or personal guarantee, or an unconditional performance bond in a form satisfactory to the Authority.

## **2.10 ABN Requirements**

The Respondent must have an ABN, unless otherwise approved in writing by the Authority.

## **2.11 Joint response**

If a RFx Response is to be jointly submitted by more than one party, a reference to Respondent in this RFx means all parties submitting the joint Response. If the parties to a joint Response are successful, the Contract must be entered into by all parties to the joint Response

## **2.12 Sub-contractors**

If any part of the Deliverables is to be supplied by a sub-contractor, the Respondent must identify the subcontractor and clearly state which goods or services are to be provided by the sub-contractor.

If the Respondent is successful, the contract would be entered into by the Respondent and the Respondent will be responsible for the sub-contractor's performance of the contract.

## 2.13 Small and Medium Enterprises

The Authority encourages participation of Small and Medium Enterprises, including Aboriginal Owned Businesses and employers of disabled people (Australian Disability Enterprises) wherever this is applicable to the requirements. This participation may be through direct engagement or through the Respondent's supply chain. Respondents should clearly indicate their status or inclusion of these business types as parties in the engagement for this requirement. The WPCA Procurement should be notified if any aspect of this RFx provides unnecessary barriers that effectively prohibit participation by these businesses.

## 3 RFx Information

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### 3.1 Respondent briefing

- (a) If required, a Respondent briefing will be held on the date, time and place indicated in the Key Dates. Representatives from the Authority will be available at that time to receive any queries regarding this RFx.

### 3.2 WPCA Procurement

- (a) The Respondent should refer requests for information or advice regarding this RFx to the WPCA Procurement.

Any information given to a Respondent to clarify any aspect of this RFx will also be given to all other Respondents if in the Authority's opinion the information would unfairly favour the inquiring Respondent over other Respondents.

## 4 RFx Response Lodgement

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### 4.1 Electronic Lodgement

- (a) All RFx Responses are to be lodged electronically via the Website and must be fully received by the Authority by the Closing Time and Date.
- (b) A Respondent, by electronically lodging a RFx Response, is taken to have accepted the terms and conditions on the Website.
- (c) A Respondent must observe the following format for lodgements:
  - I. the RFx Response must be lodged in an Accepted File Format e.g. Docx,. xlsx Other formats for the attachments are only to be submitted if an arrangement has first been made with the Contract Support Office prior to lodgement of the RFx Response;
  - II. the Respondent must not submit self-extracting (\*.exe) zip files. If the Respondent compresses files, it must be possible to decompress the files using WinZip;
  - III. the Respondent must not change pre-existing text in the Response other than to insert the requested information;
  - IV. the Respondent must not include any macros, applets, or executable code or files in the Response;
  - V. the Respondent must ensure that electronically lodged files are free from viruses by checking the files with an up to date virus-checking program before lodging;
  - VI. the Respondent may break down the lodgement of large RFx Responses into smaller packages if clearly identified e.g. package 1 of 3; 2 of 3; 3 of 3; and
  - VII. all file names must have an extension and not have invalid characters or file names/loading pathnames too long for the system as detailed on the Website.

## **4.2 Issues with electronic lodgement**

- (a) If a Respondent experiences any persistent difficulty with the Website in submitting a RFx Response or otherwise, it is encouraged to advise the WPCA Procurement promptly in writing.
- (b) If there is an extended defect failure of the Website or eTendering system and the Authority is advised, the Closing Time and Date may be extended provided that, in the view of the Authority, the RFx process will not be compromised by such an extension.

## **5 RFx Process**

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### **5.1 Non-Conforming Responses and Alternative Responses**

- (a) Non-Conforming Responses may be excluded from the RFx process without further consideration at the Authority's absolute discretion.
- (b) The Respondent may submit an Alternative Response. Alternative Responses will only be considered if submitted in conjunction with a RFx Response that conforms with all aspects of this RFx (with the only exception of any non-mandatory parts of the Requirements). An Alternative Response must be clearly marked "Alternative Response".

### **5.2 Late Responses**

A RFx Response received after the Closing Time and Date (a Late Response) will not be considered by the Authority unless the Authority, at its absolute discretion, is satisfied that the integrity and competitiveness of the RFx process will not be compromised.

### **5.3 Multiple lodgements**

- (a) If a Respondent provides multiple lodgements, the last RFx Response received before the Closing Time and Date will be the RFx Response to be considered unless the Respondent provides clear directions to whether the lodgement is:
  - I. an Alternative Response;
  - II. supporting items to a RFx Response; or
  - III. a further part of a RFx Response that has previously been lodged.

## **6 Addenda to RFx**

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- (a) If for any reason the Authority, at its absolute discretion, requires the RFx to be amended before the Closing Time and Date, an Addendum will be issued.
- (b) In each case, an Addendum becomes part of the RFx.
- (c) The Authority, during the RFx period may issue Addenda altering the RFx. In such cases, it is the obligation of the Respondent to verify if any addenda were issued prior to the Closing Time and Date, even if a RFx Response has already been submitted by the Respondent.
- (d) Respondents must check the Website address, and download the Addendum.
- (e) Receipt of each addendum must be acknowledged on the returnable form issued. Failure to acknowledge the receipt of any addendum may render a submission non-conforming.

## 6.2 Receipt of RFx Responses

- (a) On receipt of RFx Responses lodged electronically to the NSW Government eTendering system, RFx Responses are encrypted and stored in a secure “electronic tender box”.
- (b) For reasons of probity and security, the Authority and its agent are prevented from accessing the electronic tender box to ascertain whether RFx Responses have been received or for any reason, until after the Closing Time and Date.
- (c) The email receipt that is automatically generated to the system user upon successful lodgement of the RFx Response on the NSW Government eTendering system is the only receipt of lodgement provided.

## 6.3 Variations to RFx Responses

The Respondent may only vary its RFx Response with the consent of the Authority provided that, in the Authority’s view, it would not:

- (A) substantially alter the original RFx Response; or
- (B) result in the revising or expanding of a RFx Response in a way that would give the Respondent an unfair advantage over other Respondents.

## 6.4 Site inspections and presentations

- (a) The Authority may at its absolute discretion, during the consideration of RFx Responses:
  - (A) undertake site inspections of the Respondent’s or its subcontractor’s proposed premises on reasonable notice to the Respondent; and/or
  - (B) invite the Respondent to make a presentation regarding its RFx Response.
- (b) If the Respondent complies with a request under section (a) above, it does so at its own cost and expense, and acknowledges that a request under section (a) does not represent a commitment by the Authority to accept any aspect of the Respondent’s RFx Response.

## 6.5 Consideration of RFx Responses

In the consideration of RFx Responses, the Authority may take into account any information about the Respondent that the Authority receives from any source, including but not limited to any site inspections and presentations.

## 6.6 Post RFx Negotiations

- (a) Before making any determination as to the acceptance or rejection of a RFx Response, the Authority may, at its absolute discretion, conduct limited negotiations with the Respondent.
- (b) The Respondent acknowledges and accepts that the Authority may, at its absolute discretion, conduct such negotiations with more than one Respondent.

# 7 Method of Acceptance

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Acceptance of a RFx Response or part of a RFx Response will be subject to the execution of a formal Contract. To clarify, until the Authority and the successful Respondent(s) execute a formal Contract there will be no legally enforceable agreement concluded between them.



## 8 Corruption, laws and policies and ethical conduct

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### 8.1 Compliance

- (a) The Respondent must comply with the law and NSW Government and Authority Procurement Policies.
- (b) The Respondent must disclose any conflict of interest in its Response.
  - i. If the Respondent, or any of its officers, employees, agents or contractors is found to have:
    - I. offered any inducement or reward to any public servant or employee, agent or subcontractor of the Authority or the NSW Government in connection with this RFx or a submitted RFx Response;
    - II. not complied with any laws or NSW Government and Authority Procurement Policies;
    - III. breached these Conditions;
    - IV. an improper conflict of interest;
    - V. committed corrupt conduct in the meaning of the *Independent Commission Against Corruption Act 1988*;
    - VI. proposed goods or services (including components of these) that have been or will be produced using 'the worst forms of child labour' as defined under ILO Convention 182; or
    - VII. a record or alleged record of unethical behaviour,

it may result in the Authority rejecting and not further considering the RFx Response, or if a Contract has been signed, then the Authority may terminate that Contract without liability for any damages.

- (c) The Authority may, at its absolute discretion, invite a relevant Respondent to provide written comments within a specified time before the Authority excludes the Respondent on this basis.

### 8.2 Authority to be notified of issues

The Respondent must provide the Authority's Procurement Officer with information concerning any matters referred to in i, findings of dishonest, unfair, unconscionable, corrupt or illegal conduct against the Respondent, its directors or management. The Respondent must provide this information as soon as it becomes aware of it.

### 8.3 Worst Forms of Child Labour

The Authority will not accept any or all of the Respondent's proposed Deliverables either proposed to be supplied by or sourced by the Respondent (including components of these) been produced using 'the worst forms of child labour' as defined under ILO Convention 182.

## 9 Disclosure of Information

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### 9.1 Disclosure of information obligations

- (a) Following the Authority's decision, the Respondent will be notified in writing of the outcome of its RFx Response(s).
- (b) Details of this RFx and the outcome of the RFx process may be disclosed if required in accordance with the *Government Information (Public Access) Act 2009* (NSW). An outline of these requirements can be found in

<http://www.legislation.nsw.gov.au/maintop/view/inforce/act+52+2009+cd+0+N>

- (c) Details of Deliverables provided through the Contract may be published on the Authority's internet site.

## 9.2 Exchange of Information between Government Agencies

- (a) Lodgement of a RFx Response will itself be an authorisation by the Respondent to the Authority to make available, on request, to any NSW government agency information, including but not limited to, information dealing with the Respondent's performance on any contract that may be awarded. Such information may be used by the recipient NSW Government agency for assessment of suitability for pre-qualification, selective tender lists, expressions of interest or the award of a contract or termination of contract.
- (b) The provision of the information by the Authority to any other NSW Government agency is agreed by the Respondent to be a communication falling within section 30 of the *Defamation Act 2005* (NSW), and the Respondent shall have no claim against the Authority and the State of New South Wales in respect of any matter arising out of the provision or receipt of such information, including any claim for loss to the Respondent arising out of the communication.

To clarify, information that may be collected, exchanged and used in accordance with this provision includes "personal information" about the Respondent for the purposes of the *Privacy and Personal Information Protection Act 1998*. Lodgement of a RFx Response will be an authorisation by the Respondent to the Authority to collect such information from third parties, and to use and exchange such information in accordance with this section 9.2.

## 10 Complaints Procedure

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It is the NSW Government's objective to ensure that industry is given every opportunity to win Government contracts. Should any entity feel that it has been unfairly excluded from participating or unfairly disadvantaged, it is invited to write to:

Chief Operating Officer  
Western Parkland City Authority  
Level 2, 10 Valentine Ave  
Parramatta NSW 2150

## 11 Evaluation Criteria

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### 11.1 Non-Weighted Compliance Criteria

WPCA will determine, in its absolute discretion, which Quotation represents overall best value for WPCA. WPCA is not bound to accept the lowest priced Quotation or any Quotation.

Compliance Criteria will be assessed on a Pass/Fail basis. WPCA is to determine whether the criterion is satisfactorily met for a Pass score. WPCA may exclude a Quote from further consideration if WPCA determines that the Quote fails one or more of the Compliance Criteria.

The following Compliance Criteria will be used for this category in the evaluation of Quotation submissions received for this RFQ:

Item	Compliance Criterion
1	Addenda Acknowledgement
2	Current Insurance Policies

3	The Respondent demonstrates a satisfactory level of conformance with the requirements of the RFT.
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## 11.2 Evaluation Criteria

Respondents will be assessed against the evaluation criteria listed below, which are not indicated in order of significance and are not necessarily of equal weight. Information supplied by the Respondent in its Quotation will contribute to the assessment against each criterion.

It is essential that Respondents address each Evaluation Criteria. Failure to provide the specified information may result in elimination from the evaluation process.

### Packages 1 and 2 – Additive Machines

- **Package 1:** One (1) industrial scale Additive Manufacturing laser powder bed fusion (LPBF) machine (or equivalent technology)
- **Package 2:** One (1) laboratory scale Additive Manufacturing LPBF machine (or equivalent technology).

Item	Evaluation Criterion
1	Capability of the proposed solution
2	Demonstrated organisational experience and capability
3	Level of service and support
4	Industry ecosystem and AMRF development support
5	Price
6	Ongoing cost

### Package 3 – Powder Handling Solution

- **Package 3:** Powder handling equipment solution to support the effective and safe operation of the equipment in Packages 1 and 2

Item	Evaluation Criterion
1	Capability of the proposed solution
2	Demonstrated organisational experience and capability
3	Level of service and support
4	Upfront cost
5	Ongoing cost

**Package 4 – Powder Supply**

- **Package 4:** Supply of powder consumables for use in Packages 1, 2 and 3.

Item	Evaluation Criterion
1	Degree to which the solution meets the required minimum technical specifications
2	Demonstrated organisational experience and capability
3	Level of service and support
4	Cost

## Part B: Statement of Requirements

### 1 Description of requirement

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The Authority requires the supply, installation, commissioning, and maintenance of the following 4 packages to be procured for the First Building of the Advanced Manufacturing Research Facility (AMRF):

- **Package 1:** One (1) industrial scale Additive Manufacturing laser powder bed fusion machines (or equivalent technology)
- **Package 2:** One (1) laboratory scale Additive Manufacturing laser powder bed fusion machines (or equivalent technology)
- **Package 3:** Powder handling equipment solution to support the effective and safe operation of the equipment in Packages 1 and 2
- **Package 4:** Supply of powder consumables for use in Packages 1, 2 and 3.

Respondents are able to bid for any combination of packages, i.e., all packages or a single package.

It should be noted that a key goal for the AMRF is to ensure equipment remains current and continues to meet the needs of the local manufacturing industry. The Authority therefore welcomes offers that support this goal, including innovative and alternate offers that may involve co-investment or co-contribution from Respondents, with the AMRF seeking to build long term relationships with equipment manufacturers and suppliers as part of building an advanced manufacturing ecosystem.

This is an exciting opportunity to be involved in the successful delivery of the First Building of the AMRF, an essential component of a package of NSW Government initiatives to activate the Bradfield City Centre by supporting businesses and jobs growth through innovative infrastructure solutions and investment attraction.

### 2 List of Definitions and Abbreviations

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#### Definitions

**Bradfield City Centre** – a new city being built in the Western Parkland City region. The Bradfield City Centre is a key component of the WPCA's deliverables.

**AMRF** – Advanced Manufacturing Research Facility is a two-stage technology focused facility being funded by the NSW Government and will be located in the Bradfield City Centre.

**Machine consumables** – wear parts and other componentry related to the operation of the machine.

Powder consumables – materials used in the manufacturing process by the Additive Manufacturing machines to be procured through this RFT.

### 3 Background

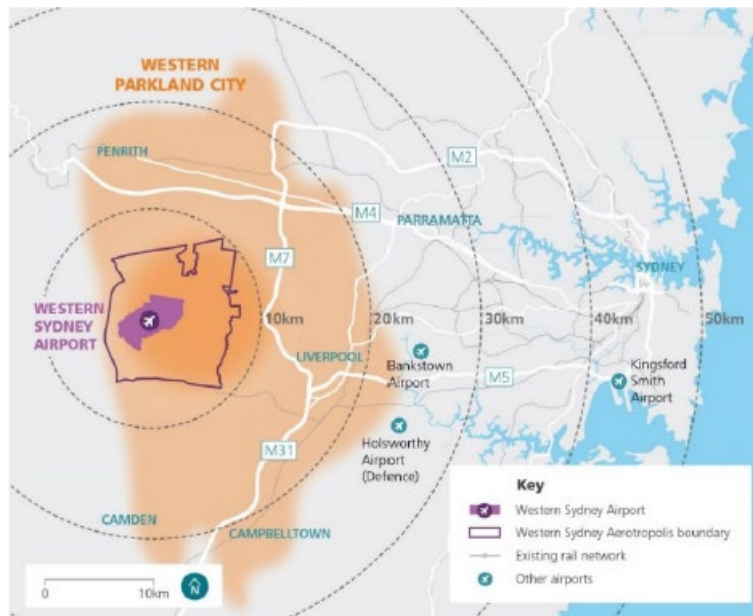
#### The Western Parkland City

By 2036, much of Sydney's population growth will come from the Western Parkland City (WPC), which encompasses eight local council areas. At close to 1.15 million people (2016), the WPC already has a population almost three times the size of Canberra. It will need to accommodate another Canberra equivalent (530,000+ people) by 2036. By 2056, the WPC is anticipated to grow by almost one million people or 46%.

The vision for the Western Parkland City is detailed in the Western City District Plan prepared by the Greater Sydney Commission (2018).

The vision articulates: that a City be established on the strength of the Western Sydney International Airport and the Western Sydney Aerotropolis; a polycentric City capitalising on the established centres of Liverpool, Penrith and Campbelltown; new city shaping transport making the City the most connected in Australia; a Western Economic Corridor attracting globally significant industries and contributing to a strong trade, logistics, education and science economy; creating knowledge intensive jobs; and delivering housing diversity around centres and transit nodes.

*Figure 1: Western Parkland City*



The catalyst for the future of the WPC is the Western Sydney International (Nancy Bird Walton) Airport and the \$20 billion in government investment already pouring in to realise this vision and deliver more than 200,000 jobs across the city by 2036.

At the heart of this is the 22nd Century city centre of Bradfield. This will be an ecosystem of industry and innovation, with precincts dedicated to Advanced Manufacturing, Aerospace and Defence, Agribusiness, Freight and Logistics, Health and Education, and Air Services and Tourism.

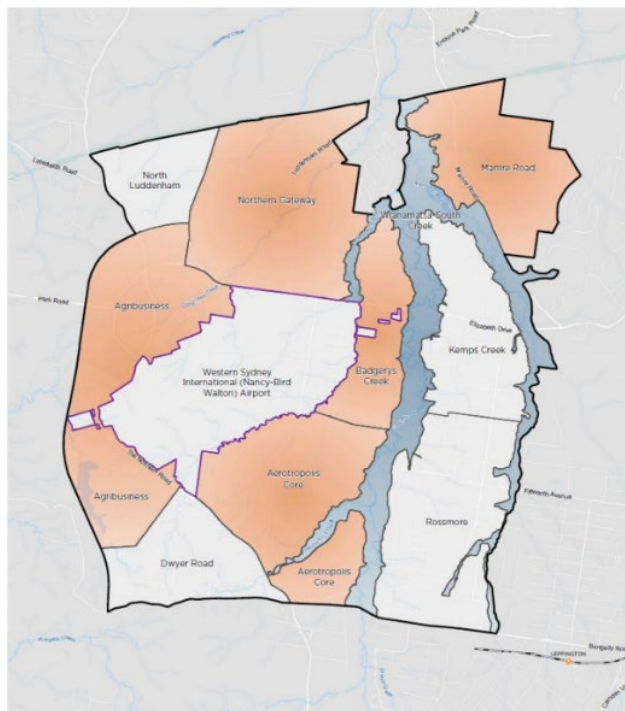
### The Bradfield City Centre

Directly southeast of the new airport, the Bradfield City Centre will be an ecosystem of industry and innovation, with precincts dedicated to Advanced Manufacturing, Aerospace and Defence, Agribusiness, Freight and Logistics, Health and Education, and Air Services and Tourism.

It will be a catalyst for job generation and the development of advanced industries. It is an opportunity to drive structural diversification of the WPC economy, attracting more advanced industries and higher-value jobs to underpin social and economic development in the WPC.

Planning of the Bradfield City Centre has commenced and will help achieve the State's advanced industry objectives as well as fulfilling the vision of the WPC. This includes a focus on key industries of the future (such as defence and aerospace, underpinned by advanced manufacturing).

*Figure 2: Precincts in Western Sydney Aerotropolis*



### First Building

The Advanced Manufacturing Research Facility (AMRF) First Building (FB) will be located in the heart of Bradfield City Centre. It will connect Western Sydney and NSW manufacturers with world class technologies and opportunities, helping businesses to grow and supporting the creation of new high-skilled jobs.

The first facility of its kind in Australia, it will support SMEs, large multinationals and research institutions, allowing our partners to work collaboratively to prove out and scale up new manufacturing processes and products in preparation for commercial production.

Opening in 2023, the First Building will provide a shared-use platform supporting SMEs, large multinationals and research institutions with specialist engineering services, equipment, and workspaces.

The First Building includes two connected halls:

- A 1000m<sup>2</sup> manufacturing hall housing state of the art advanced manufacturing equipment allowing AMRF staff to work with industry to develop smart manufacturing solutions
- A modern office space for tenancy and AMRF staff.

The First Building will cover six advanced manufacturing technical themes:

1. Additive manufacturing – Application of beam technologies for metal and composites printing
2. Subtractive manufacturing – 5 axis CNC and Electronic Discharge Machine
3. Composite manufacturing – End to end process line using ply layup and moulding technologies
4. Automation – Robotics, collaborative robots, conveyor sensor and vision systems
5. Digitisation – Product Lifecycle Management, Industrial Internet of Things, cloud computing and visualisation
6. Metrology – Surface scanning, microscopy, position probe and on-machine measurements.

The manufacturing hall will house an enclosed Additive Manufacturing room:

- Space: 76m<sup>2</sup> (9.3m x 8.2m)
- Power: Current 400V, 3-phase, with 100A breaker
- Air: Up to 500L/min at 6-12 bar variable pressure
- Temperature: 18-25°C with no more than 2°C change per hour
- Humidity: Relative humidity controlled to less than 50%.

## **Operating Principles**

The AMRF will be owned and operated by the NSW Government's AMRF facility. The facility's equipment scope and capabilities are being driven from a technology perspective balancing integration with current western Sydney manufacturing industry needs, while enabling access to emerging manufacturing technologies to support the industry's transition towards I4.0 manufacturing approaches.

The operating principles are defined as:

- Open access facility focussed on industry level manufacturing capabilities
- Collaborative model with industry partners and research institutions
- Designed to support proving out and scaling up of manufacturing processes and products, with the transition to and through Manufacturing Readiness Level 5
- Underpinned by production-relevant quality systems and processes
- Houses integrated project teams of industry and research engineers
- Varied and flexible access arrangements for companies of all sizes and stages.



Access to the AMRF First Building's shared technology platform will be structured on a flexible engagement model to support both short and long-term projects utilising the facility's equipment, systems and technical staff. This will enable industry and academia to quickly plan and schedule short term development work and also arrange, plan and deliver major development projects on a case-by-case basis.

## 4 Evaluation criteria

Respondents will be assessed against the following price and non-price criteria. In addition to written responses, respondents may be asked to accommodate a visit by AMRF personnel to view the proposed solution in operation ahead of marking a procurement decision.

### Packages 1 and 2 – Additive Machines

- **Package 1:** One (1) industrial scale Additive Manufacturing laser powder bed fusion (LPBF) machine (or equivalent technology)
- **Package 2:** One (1) laboratory scale Additive Manufacturing LPBF machine (or equivalent technology).

Criterion
<b>Non-price</b>
<b>1. Capability of the proposed solution</b> , including degree to which the solution proposed meets the required minimum technical specifications (see Section 6 – Minimum Specification Requirements), including: <ul style="list-style-type: none"> <li>– Specified print volume</li> <li>– Number of lasers and beam power</li> <li>– Material compatibility</li> <li>– Floorspace efficiency and machine integration with powder supply and processing</li> <li>– Warranty and service offering.</li> </ul>
<b>2. Demonstrated organisational experience and capability</b> <ul style="list-style-type: none"> <li>– Prior examples of successfully delivering similar equipment</li> <li>– Demonstrated extent of Australian and global market presence and penetration of machine type/brand</li> <li>– Details on local and international customers for this solution.</li> <li>– Project Management Plan clearly identifying the engagement activities and deliverables to be achieved and demonstrating how you plan to achieve project milestones.</li> </ul>
<b>3. Level of service and support</b> <ul style="list-style-type: none"> <li>– Proposed timing and support for installation and commissioning</li> <li>– Proposed approach to training</li> <li>– Level and duration of warranty</li> <li>– Proposed maintenance service schedule and availability of spare parts.</li> </ul>
<b>4. Industry ecosystem and AMRF development support</b> <ul style="list-style-type: none"> <li>– Proposed method to engage Australian supply chain capability through delivery of solution</li> <li>– Development of capability in application of machines in AMRF</li> </ul>

Criterion
<ul style="list-style-type: none"> <li>– Support for projects developing this capability with Australian manufacturers.</li> </ul>
Price
<b>5. Upfront cost</b>
<b>6. Ongoing cost</b> <ul style="list-style-type: none"> <li>– Energy usage</li> <li>– Consumables usage</li> <li>– Cost of scheduled servicing</li> <li>– Warranty cover cost.</li> </ul>

## Package 3 – Powder Handling Solution

- **Package 3:** Powder handling equipment solution to support the effective and safe operation of the equipment in Packages 1 and 2.

Criterion
Non-price
<b>1. Capability of the proposed solution</b> , including degree to which the solution proposed meets the required minimum technical specifications (see Section – Minimum Specification Requirements), including: <ul style="list-style-type: none"> <li>– Powder types handled</li> <li>– Powder delivery approach and volume</li> <li>– Integration, operational and material compatibility with packages 1 and 2 (LPBF or equivalent machines)</li> <li>– Warranty and service offering.</li> </ul>
<b>2. Demonstrated organisational experience and capability</b> <ul style="list-style-type: none"> <li>– Prior examples of successfully delivering similar equipment</li> <li>– Demonstrated extent of Australian and global market presence and penetration of machine type/brand</li> <li>– Details on local and international customers for this solution.</li> <li>– Project Management Plan clearly identifying the engagement activities and deliverables to be achieved and demonstrating how you plan to achieve project milestones.</li> </ul>
<b>3. Level of service and support</b> <ul style="list-style-type: none"> <li>– Proposed timing and support for installation and commissioning</li> <li>– Proposed approach to training</li> <li>– Level and duration of warranty</li> <li>– Proposed maintenance service schedule and availability of spare parts.</li> </ul>
Price
<b>3. Upfront cost</b>
<b>4. Ongoing cost</b> <ul style="list-style-type: none"> <li>– Consumable costs (filters etc for packages 1 &amp; 2)</li> <li>– Energy usage</li> <li>– Cost of scheduled servicing</li> <li>– Warranty cover cost.</li> </ul>

## Package 4 – Powder Supply

- **Package 4:** Supply of powder consumables for use in Packages 1, 2 and 3.

Criterion
<b>Non-price</b>
<b>1. Degree to which the solution meets the required minimum technical specifications</b> (see Section 6 – Minimum Specification Requirements), including: <ul style="list-style-type: none"> <li>– Powder types and volume provided</li> <li>– Material compatibility with packages 1, 2 and 3.</li> </ul>
<b>2. Demonstrated organisational experience and capability</b> <ul style="list-style-type: none"> <li>– Prior examples of successfully delivering similar services</li> <li>– Details on local and international customers for this service.</li> <li>– Project Management Plan clearly identifying the engagement activities and deliverables to be achieved and demonstrating how you plan to achieve project milestones.</li> </ul>
<b>3. Level of service and support</b> <ul style="list-style-type: none"> <li>– Delivery timetable.</li> </ul>
<b>Price</b>
<b>4. Cost</b>

## 5 Scope of work

This Additive Manufacturing Suite – LPBF equipment is being procured to support the AMRF First Building Additive Manufacturing capability. The equipment will be operated by AMRF staff engaged in undertaking industry projects for the purpose of enabling additive manufacturing technologies to be investigated as mainstream capability in relevant production applications.

The package scope covers the requirements listed below in relation to the supply and operation of this equipment in the AMRF First Building.

It should be noted that a key goal for the AMRF is to ensure equipment remains current and continues to meet the needs of the local manufacturing industry. The Authority therefore welcomes offers that support this goal, including innovative and alternate offers that may involve co-investment or co-contribution from respondents, with the AMRF seeking to build long term relationships with equipment manufacturers and suppliers as part of building an advanced manufacturing ecosystem.

### Package 1 – Industrial LPBF (or equivalent)

- Supply, delivery, installation, commissioning and maintenance of one (1) industrial scale LPBF machine (or equivalent technology) where the proposed solution and services satisfy the requirements of:
  - ISO/ASTM TS52930:2021 (Additive manufacturing — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment, section 6),
  - ISO/ASTM 52904:2019 (Additive manufacturing — Process characteristics and performance — Practice for metal powder bed fusion process to meet critical applications)

- LPBF material solutions that have been certificated to Automotive, Medical, Aviation, Space and Defence standards would be of particular interest
- Integration of the machines with future CAD/CAM, ERP and MES software running in the AMRF is of importance to creating a future facing facility. Communication protocols and system interoperability capability should be addressed in the tender response.
- Provision for training AMRF staff to operate the machines and the safe handling of powders to support operational procedure development, demonstrating how principles of ISO/ASTM 52942:2020 (Additive manufacturing — Qualification principles — Qualifying machine operators of laser metal powder bed fusion machines and equipment used in aerospace applications) will be met
- Inclusion of the standard machine warranty, and extended warranty options
- Inclusion of fixed term preventative maintenance and provision for servicing of reactive maintenance requirements in accordance with ISO/ASTM 52904:2019 section 7.2, including expected response time of technician
- Inclusion of machine consumables over the proposed warranty periods and their availability guarantee
- Provision for potential delays to machine delivery timing through to late 2023 shall be included in the offer (see Section 9). Such provision can be in the form of delayed shipment from the manufacturer, or storage of the finished equipment until such time as the facility is ready to accept the equipment for installation and commissioning. The offer shall indicate how a delayed delivery, installation, commissioning, or training requirements would be accommodated, including any associated costs to cover additional transport and handling, storage, technician & trainer availability, and insurances.

#### **Package 2 – Laboratory LPBF (or equivalent)**

- Supply, delivery, installation, commissioning and maintenance of one (1) laboratory scale LPBF machine (or equivalent technology) where the proposed solution and services satisfy the requirements of:
  - ISO/ASTM TS52930:2021 (Additive manufacturing – Qualification principles – Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment, section 6),
  - ISO/ASTM 52904:2019 (Additive manufacturing – Process characteristics and performance – Practice for metal powder bed fusion process to meet critical applications)
- LPBF material solutions that have been certificated to Automotive, Medical, Aviation, Space and Defence standards would be of particular interest
- Integration of the machines with the AMRF's FB manufacturing systems (computer aided design/manufacture and manufacturing execution systems) is of importance to creating a future facing facility and should be addressed in the tender response
- Provision for training AMRF staff to operate the machines and the safe handling of powders to support operational procedure development, demonstrating how principles

of ISO/ASTM 52942:2020 (Additive manufacturing – Qualification principles – Qualifying machine operators of laser metal powder bed fusion machines and equipment used in aerospace applications) will be met

- Inclusion of the standard machine warranty, and extended warranty options
- Inclusion of fixed term preventative maintenance and provision for servicing of reactive maintenance requirements in accordance with ISO/ASTM 52904:2019 section 7.2, including expected response time of technician
- Inclusion of machine consumables over the proposed warranty periods and their availability guarantee.
- Provision for potential delays to machine delivery timing through to late 2023 shall be included in the offer (see Section 9). Such provision can be in the form of delayed shipment from the manufacturer, or storage of the finished equipment until such time as the facility is ready to accept the equipment for installation and commissioning. The offer shall indicate how a delayed delivery, installation, commissioning, or training requirements would be accommodated, including any associated costs to cover additional transport and handling, storage, technician & trainer availability, and insurances.

### **Package 3 – Powder Handling Solution**

- Supply, delivery, installation, commissioning of powder handling solution to support the effective and safe operation of the machines identified in Packages 1 and 2.
- Provision for training AMRF staff to operate the machines and the safe handling of powders to support operational procedure development
- Inclusion of the standard machine warranty, and extended warranty options
- Inclusion of fixed term preventative maintenance and provision for servicing of reactive maintenance requirements, including expected response time of technician
- Inclusion of machine consumables over the proposed warranty periods and their availability guarantee.
- Provision for potential delays to machine delivery timing through to late 2023 shall be included in the offer (see Section 9). Such provision can be in the form of delayed shipment from the manufacturer, or storage of the finished equipment until such time as the facility is ready to accept the equipment for installation and commissioning. The offer shall indicate how a delayed delivery, installation, commissioning, or training requirements would be accommodated, including any associated costs to cover additional transport and handling, storage, technician & trainer availability, and insurances.

#### **Package 4 – Powder Consumables Supply**

- Provision of powder consumables for the equipment in Packages 1, 2 and 3, namely Titanium 6-4: 300Kg and Stainless Steel 17-4PH: 300Kg.

### **6 Minimum Specification Requirements**

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The additive manufacturing package is to provide the AMRF with two suitably sized LPBF machines (large and small) with suitable powder handling capabilities to service the following minimum requirements:

#### **Package 1 – Industrial LPBF (or equivalent)**

- Working Volume (minimum) – 300mm square or cylindrical area x 400mm high
- Material Compatibility – The aim of the facility is to be able to work with a range of metal alloys common to industrial applications, targeted materials include Ti alloys, Ni alloys, Cu and Cu alloys, Fe alloys, Cr alloys and Al alloys). The inclusion of ‘material development packs’ are welcome and not all materials have to be accommodated for bid compliance
- Beam Configuration – A three or four laser beam configuration with a total of 1500 Watts will be considered. Dual beams of high power (e.g. 1 x 1kW) may also be considered
- Powder Delivery – Integrated powder delivery system to recoater with option to demonstrate closed loop / central powder delivery
- Integrated Powder Handling – Not proposed as a desired specification, however vendors may propose integrated powered handling solution, but these must be compatible with development applications and regular powered changeovers
- Defect detection / Process Monitoring – Defect detection system operating at a layer-by-layer resolution. Option for melt pool tracking may be considered
- Machine Interoperability – Equipment communication protocols shall support file transfer with non-proprietary systems supporting manufacturing data sharing, manipulation, storage and retrieval by platform agnostic solutions.

#### **Package 2 – Laboratory LPBF (or equivalent)**

- Working Volume – 90mm square or cylindrical area x 80mm high
- Material compatibility and machine interoperability is to be of similar scope to that provide on the larger machine
- Beam Configuration – Single Beam with 200W
- There are no specific powder handling requirements

### **Package 3 – Powder handling solution**

- Powder handling solution for reactive and non-reactive powders inclusive of:
  - Powder sieving (including ultrasonic actuator) and adjustable grid size of 64-100um
  - Powder storage vessels (capable of inert gas charging and/or vacuum storage for reactive powders)
  - Vessel filling station with weighing scales (precise to 0.005kg)
  - Powder vacuum system for machine cleaning
  - Powder blending system for reactive powders (such as vessel tumbling station)
- All equipment provided must meet or exceed local fire and explosion certification requirements, including IECEx
- All equipment should be compatible with packages 1 and 2 of this specification, unless packages 1 and/or 2 contain equipment which duplicates or integrates elements of this specification.

### **Package 4 – Powder consumables supply**

- Supply of Titanium 6-4 and Stainless Steel 17-4 PH powders suitable for use in equipment that meets the requirements of ISO/ASTM TS52930:2021 and ISO/ASTM 52904:2019.

## **7 Deliverables, Responsibilities and Project Management Requirements**

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General deliverables are listed below and include the expected project management activities that form part of the overall equipment supply. A successful supplier will be required to meet the following mandatory deliverables contained in this Request:

- a. Arrange a project initiation meeting to clarify AMRF needs and outline supply activities
- b. Provide a delivery program indicating key milestones to support project tracking which meets the required KPIs, specifications and performance requirements of WPCA.
- c. Develop final machine specifications and provide details within 2 weeks of the award to support final building preparation works for installation and services requirements. Ensure that factory and site acceptance testing is successful without departure.
- d. Respond to enquiries about the machine technical details to support the AMRF's manufacturing hall construction and related services that are needed to support the machines installation, commissioning and operation.
- e. Participate in project check-in meetings when requested or at agreed milestones to provide progress updates to the AMRF team.
- f. Provide monthly progress reports against the agreed delivery schedule noting that liquidated damages for delay will be a contractual requirement.
- g. Provide verification that factory acceptance test has been carried out and provide access to AMRF to view the factory acceptance test if requested prior to delivery.

- h. Provide information on packing and shipping for equipment, including ensuring this meets with regional requirements and modes of transport being utilised.
- i. Responsible for Shipping, Customs and delivering equipment to the AMRF First Building in Bradfield NSW Australia, in accordance with Incoterms DDP, including holding of the required insurance until delivery is accepted by WPCA.
- j. Unloading and installation of the additive machines and powder handling equipment, with all site works to be reviewed and approved by the AMRF's construction contractor.
- k. Responsible disposal of all equipment packaging materials, using recycling options where possible.
- l. Arrange the connection of the equipment's services with the AMRF's builder and IT provider (installation at cost of supplier).
- m. Undertake equipment commissioning (where relevant) of the LPBF machines and the powder handling equipment (installation at cost of supplier).
- n. Conduct site acceptance testing without departure.
- o. Provide operator training, including routine pre-start-up checks of the equipment and safe handling of powders.
- p. Provide the options relating to ongoing service and maintenance over the life of the deliverable for the Authority's consideration.

## 8 Documentation and Compliance

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- Complete machine specification
- Foundation and lifting diagrams to support building preparation and logistic planning
- 3D models to support Building Information Modelling and digital twin capabilities
- Maintenance manuals – digital format
- Compliance with relevant Australian standards, regulations and legislation associated with:
  - Power supply and wiring
  - Work Health and Safety requirements regarding metal powder handling
  - Machine design and safe operation (Australian safety of machinery standards)
  - Importation packaging requirements (sustainable timber, fumigation, package recycling etc)
  - Chain of Responsibility for transport and packing responsibilities for road transport with Australia.

## 9 Timing

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- Supply and delivery shall be completed by 31 August 2023



- Installation and commissioning, including Site Acceptance Test shall be no later than six weeks after the supply and delivery.
- It is a fundamental term of this supply that the equipment must meet the minimum specifications and pass Site Acceptance Test within this timeframe. The contractual terms, including compensation, will reflect the primary importance of this deliverable.
- Initial equipment operation and maintenance training shall be completed by 29 September 2023. Operator and system integration training will follow SAT and machine handover.
- Supply of powder consumables shall be provided by 15 September 2023.
- Servicing shall commence from 2 October 2023.
- Provision should be included in the offer to accommodate any potential delay that could require equipment installation or commissioning through to the end of 2023. Please refer to the individual scope of work packages above for details of the requested bid options that are to be included.

## **10 Payment schedule**

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For packages 1, 2 and 3, payments to the successful tenderer will be made upon completion of key milestones as follows:

- 1/3 on contract award
- 1/3 on successful completion of Factory Acceptance Test
- 1/3 on successful completion of Site Acceptance Test.

For package 4, payment will be made upon delivery of goods.

## **11 Probity**

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The tender process will be overseen by an independent probity adviser. If you have any probity related questions or issues, please contact Rory O'Connor from O'Connor Marsden on 0416 107 627.

## **12 Contract**

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The successful tenderer will be issued with a draft Agreement on standard commercial terms, including the provision of local or internationally enforceable financial or parent company security, and on terms no less favourable to the WPCA than the terms set out above, and the tenderer by submitting a tender commits to engaging contracting on this basis.

## Part C: Vendor Response Form

### Respondent's Details & Undertakings RFT No.: WPCA-AMRF-22-024

#### 1. Respondent's details

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Please complete the following details in respect of the Respondent.

##### 1.1 Details

Item	Detail
Company legal name	
Company trading name	
ABN	
can	
Mailing address	
Contact name	
Contact person's phone number	
Contact person 's email address	
Market experience (in years)	
Annual turnover for the last 3 years (Respondent to provide annual reports to substantiate)	
Number of FTEs in FY 19/20	

## 2. Conflict of Interest Declaration

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I, .....  
(name and position)

on behalf of the company .....;

declare that I have read and I understand the concept of conflict of interest as set out in the Conditions of Quotation and that the company's directors, shareholders, officers and employees:

- (a) have not offered or given and will not offer or give any financial reward or other inducement of any kind to any Officer or Staff Member of the WPCA, with respect to any of my dealings or the dealings of the aforesaid company with the WPCA in relation to this quotation/contract.
- (b) have not since publication of the WPCA's quotation, been in contact with other Respondent(s) for any purpose whatsoever, including without limitation the circumvention of the competitive objective of the WPCA's quotation process; and
- (c) are not in any way connected with and do not have any actual or potential Conflict of Interest with any Officer or Staff Member (whether employed on a permanent, casual or contractual basis), except as disclosed hereunder:

I understand and accept that the WPCA reserves the right to terminate any contract, transaction or agreement that the WPCA may enter into with me or the aforesaid company as a result of this quotation, should it subsequently be shown that I have failed to disclose herein any matter or contravene any statement relevant to this Declaration. I also accept the WPCA's right to reject any future quotations from me or the aforesaid company, if I am shown to have made any false declaration herein or otherwise.

.....  
Name & signature of person making declaration

.....  
Date

.....  
Name and Signature of Witness

.....  
Date

### 3. Acknowledgement of Addenda

(Complete this section only where Addenda and/or Notices have been issued. Respondents must list all Addenda and/or Notices issued by WPCA)


If Respondents have received or provided addenda to WPCA, each addenda must be included in their submission. Respondents must state the Addenda it has received from WPCA or provided to WPCA using the below table.

I / We, [#insert full name of Respondent], acknowledge receipt of the following:

Addenda No.	Brief Description	Date Received

### 4. Insurance Policies

The Respondent confirms that it can meet the insurance requirements referred to in the Contract Conditions and will have insurance cover as identified below.

Mandatory Questions	
1) Have you attached the copy of public liability insurance to the value of at least \$10 million in respect of each claim?	Yes or No
2) Have you attached the copy of professional indemnity insurance to the value of at least \$10 million in respect of each claim?	Yes or No
3) Have you attached the workers' compensation insurance?	Yes or No
4) Please sign and attach the confidentiality deed poll.	 Supplier Confidentiality Deed F

### 5. Response to Proposed Contract

The proposed Contract to be entered into between the Authority and the successful Respondent will be negotiated.

WPCA will use information provided in Proposals to populate the relevant form of Proposed Contract.

## 6. References

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Please provide details of the referees that can verify the information you provide in response to Returnable Schedule C7.

The Evaluation Team may decide to contact referees to assist in the evaluation of responses, if deemed necessary. Please provide the contact details of two referees, who can verify from personal experience, the service provider's past and/or present performance in the provision of similar services.

References will be evaluated based on relevance of work completed as well as comments from the referees. Preference may be given to at least one of the referees being a representative of a large Government body.

Please be specific with the description and scale of the services provided.

Referee No. 1	
Organisation's name	
Address	
Contact name	
Role	
Email address	
Telephone no.	
Length of partnership	
Associated Project and description of service	

Referee No. 2	
Organisation's name	
Address	
Contact name	
Role	
Email address	
Telephone no.	
Length of partnership	
Associated Project and description of service	

Note to Respondent: Insert additional Referee table as necessary.

## 7. Demonstration of Organisational Experience, Capability & Key Personnel

Tenderers are able to bid for any combination of packages, i.e., all packages or a single package. For all criteria in Schedule 7, Tenders should allocate a minimum of at least two paragraphs per section.

**Package 1:** One (1) Industrial scale Additive Manufacturing Laser powder bed fusion machines (or equivalent technology)

7.1 Please demonstrate your capability of the proposed solution, including degree to which the solution proposed meets the required minimum technical specifications including:

- Specified print volume
- Number of lasers and beam power
- Material compatibility
- Floorspace efficiency and machine integration with powder supply and processing
- Warranty and service offering.

Answer:

7.2 Demonstrated organisational experience and capability

- Prior examples of successfully delivering similar equipment
- Demonstrated extent of Australian and global market presence and penetration of machine type/brand
- Details on local and international customers for this solution.

Answer:

7.3 Level of service and support

- Proposed timing and support for installation and commissioning
- Proposed approach to training
- Level and duration of warranty
- Proposed maintenance service schedule and availability of spare parts

Answer:

7.4 Industry ecosystem and AMRF development support

- Proposed method to engage Australian supply chain capability through delivery of solution
- Development of capability in application of machines in AMRF
- Support for projects developing this capability with Australian manufacturers.

Answer:

**Package 2:** One (1) laboratory scale Additive Manufacturing Laser powder bed fusion (LPBF) machines (or equivalent technology)

7.1 Please demonstrate your capability of the proposed solution, including degree to which the solution proposed meets the required minimum technical specifications including:

- Specified print volume
- Number of lasers and beam power
- Material compatibility
- Floorspace efficiency and machine integration with powder supply and processing
- Warranty and service offering.

Answer:

7.2 Demonstrated organisational experience and capability

- Prior examples of successfully delivering similar equipment
- Demonstrated extent of Australian and global market presence and penetration of machine type/brand
- Details on local and international customers for this solution.

Answer:

7.3 Level of service and support

- Proposed timing and support for installation and commissioning
- Proposed approach to training
- Level and duration of warranty
- Proposed maintenance service schedule and availability of spare parts

Answer:

7.4 Industry ecosystem and AMRF development support

- Proposed method to engage Australian supply chain capability through delivery of solution
- Development of capability in application of machines in AMRF
- Support for projects developing this capability with Australian manufacturers.

Answer:

**Package 3:** Powder handling equipment solution to support the effective and safe operation of the equipment in Packages 1 and 2

7.1 Capability of the proposed solution, including degree to which the solution proposed meets the required minimum technical specifications (see Section 6 – Minimum Specification Requirements), including:

- Powder types handled
- Powder delivery approach and volume
- Integration, operational and material compatibility with packages 1 and 2 (LPBF or equivalent machines)
- Warranty and service offering.

Answer:

#### 7.2 Demonstrated organisational experience and capability

- Prior examples of successfully delivering similar equipment
- Demonstrated extent of Australian and global market presence and penetration of machine type/brand
- Details on local and international customers for this solution.

Answer:

#### 7.3 Level of service and support

- Proposed timing and support for installation and commissioning
- Proposed approach to training
- Level and duration of warranty
- Proposed maintenance service schedule and availability of spare parts.

Answer:

**Package 4:** Supply of powder consumables for use in Packages 1, 2 and 3.

7.1 Degree to which the solution meets the required minimum technical specifications (see Section 6 – Minimum Specification Requirements), including:

- Powder types and volume provided
- Material compatibility with packages 1, 2 and 3

Answer:

#### 7.2 Demonstrated organisational experience and capability

- Prior examples of successfully delivering similar services
- Details on local and international customers for this service

Answer:

Level of service and support

Delivery timetable

Answer:



## 8. Program

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8.1 Please provide a draft Project Management Plan and MS Project Gantt chart, clearly identifying the engagement activities and deliverables to be achieved and demonstrating how you plan to achieve the milestones set out in Part 7.

Answer:

## 9. Pricing

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Respondents are required to complete the attached (Attachment A) Pricing Schedule spreadsheet.

- Upfront costs
- Ongoing costs which include but not limited to energy usage, consumable usage, cost of scheduled serving, warranty cover cost
- Option for delayed delivery
- Pricing of Key Deliverables
- Disbursements (if any)

**End of RFT**