



ENGINE DIVISION-KORAPUT

PO: SUNABEDA, DIST: KORAPUT

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INVITATION TO TENDER

TITLE: PROCUREMENT OF SILICON CARBIDE HEATING ELEMENT.

Sl No	MPR No	HSN Code(Tent.)	Part No	Detailed Specification	Qty	Unit
1	24AN-1098	8516	20-5311	SILICON CARBIDE HEATING ELEMENT TYPE : ALPHA ULTRA ROD DIA : 44 MM \pm 1 MM, OVERALL LENGTH : 1750 MM, \pm 5 MM, EFFECTIVE HEATING LENGTH : 950 MM, \pm 5 MM , NOMINAL RESISTANCE : 0.6 Ohm (+/- 5%) HOT ZONE TO BE IMPEGRANATED WITH ALUMINIUM OXIDE AND SUBSEQUENTLY SURFACE TO BE COATED WITH BLACK SILICON CARBIDE.	108	Nos.
2	24AN-1098	8516	20-5310	SILICON CARBIDE HEATING ELEMENT - TYPE : ALPHA ROD DIA : 25 MM \pm 1MM, OVERALL LENGTH : 1710 MM \pm 5MM, HOT ZONE LENGTH : 810 MM \pm 5MM, NOMINAL RESISTANCE : 1.73 OHMS \pm 10%	54	Nos.
3	24AN-1098	8516	20-3876	SILICON CARBIDE HEATING ELEMENT. DIA : 28 MM (+/- 1 MM). OVERALL LENGTH : 1296 MM (+/- 5 MM). HOT ZONE LENGTH : 508 MM (+/- 2 MM). NOMINAL RESISTANCE : 1.05 TO 1.07 OHMS (+/- 20%) TO WITHSTAND TEMPERATURE OF 1540 DEG.C.	54	Nos.
4	24AN-1098	8516	20-1094	SILICON CARBIDE HEATING ELEMENT TYPE : ALPHA ROD, DIA : 40MM +/- 2 MM, OVERALL LENGTH : 1300 MM + / - 5 MM HOT ZONE LENGTH : 500 MM + / - 5 MM NOMINAL RESISTANCE : 0.5 OHMS + / -10%	48	Nos.
5	24AN-1098	8516	20-27709	SILICON CARBIDE HEATING ELEMENT TYPE : ALPHA ULTRA ROD DIA : 18 MM \pm 1 MM, OVERALL LENGTH : 1300 MM, \pm 5 MM, EFFECTIVE HEATING LENGTH : 500 MM, \pm 5 MM , TEMPERATURE REQUIRED: 1200 DEGREE C NOMINAL RESISTANCE : 0.6 Ohm (+/- 5%) HOT ZONE TO BE IMPEGRANATED WITH ALUMINIUM OXIDE AND SUBSEQUENTLY SURFACE TO BE COATED WITH BLACK SILICON CARBIDE.	50	Nos.

TERMS & CONDITIONS:

- 1) The bidder shall attach item wise BOQ detailed specification document (without rate) with HSN Code and applicable GST percentage.
- 2) The bidders need to disclose the contact details of their GST jurisdictional Office.
- 3) Retention of Records: - Records shall be provide objective evidence of inspection with applicable drawings and specification specifically mentioned in the purchase order, the supplier shall retain all applicable records like test reports, traceability records etc at least for 10 years. Records shall include corrective actions taken when applicable.
- 4) Confidentiality: - For the purpose of this Tender/Contract/Agreement, the Bidder/Contractor/Supplier shall not store, copy or disclose HAL's data and information whether in written, machine readable or other tangible form or disclosed orally, that is of value to HAL. Also, Bidder/Contractor/ Supplier agrees to use HAL's data only for the purpose under this Tender/Contract/Agreement, restrict disclosure to any other person or entity or third party and shall safeguard the provided data including from cyber security risks etc. Bidder/Contractor/Supplier should promptly return within 90 days HAL's data in original media and should not keep HAL's data, upon expiry of Tender/Contract/Agreement or early termination of Contract/Agreement and certify that HAL's data has been deleted permanently. Non-adherence to this confidentiality clause by the bidder/contractor/supplier shall be treated, as a material breach of this Tender/Contract/Agreement. The provisions of this clause shall survive and remain in force notwithstanding the termination or expiry of this Contract/Agreement.
- 5) COUNTERFEIT PARTS: -Seller represents and warrants that it has policies and procedures in place to ensure that none of the supplies or materials furnished under this Purchase Order/contract are "counterfeit parts" and certifies, to the best of its knowledge and belief that no such parts have been or are being furnished to Buyer by Seller. "Counterfeit parts" are parts that may be of new manufacture, but are misleadingly labelled to provide the impression they are of a different class or quality or from a different source than is actually the case. They also include refurbished parts, complete with false labelling, that are represented as new parts or any parts that are designated as counterfeit by any Government/Authority under control, and If Buyer reasonably determines that Seller has supplied counterfeit parts to Buyer, Buyer shall promptly notify Seller and Seller shall immediately replace the counterfeit parts with parts acceptable to Buyer. Notwithstanding any other provision contained herein, Seller shall be liable for all costs incurred by Buyer to remove and replace the counterfeit parts, including without limitation to any loss/ damage in part/full to Aircraft caused due to such counterfeit part and Buyer's external and internal costs of removing such a counterfeit part, of reinserting replacement parts and of any testing necessitated by the reinstallation of Seller's goods after counterfeit parts have been exchanged. In addition, Buyer may unilaterally terminate this order for Convenience depending on the impact of the delivery of Counterfeit parts on the Seller's overall performance on this order. Seller's warranty against counterfeit parts shall survive any termination or expiration of this Purchase Order/Contract. Buyer reserves the right to seize and quarantine any / all counterfeit products it receives from Seller on this Purchase Order/Contract. Counterfeit products may be forwarded to the Original Component Manufacturer and / or the appropriate authority for final analysis, possible confiscation and / or destruction. If products furnished by the Seller are determined to in fact be counterfeit, Seller agrees to reimburse Buyer on the full purchase price paid as well as any shipping or third party testing charges incurred by Buyer. Further the Buyer reserves the right to ban the Seller thereafter for such period as deemed appropriate.