

**CORREGENDUM FOR supply and installation of Atomic Absorption Spectroscopy with Graphite furnace under “DST-FIST Grant”**

<b>Item</b>	<b>Specification, Terms &amp; condition (Pre-bid conference)</b>	<b>Specification, Terms &amp; condition (Final)</b>
Warranty (point no. 4e)	Warranty period (36 months comprehensive on-site). This should include service, consumables and spares. An optional 60 month comprehensive warranty must also be quoted for.	Warranty period (36 months comprehensive on-site). This should include service and spares. An optional 24 month comprehensive warranty must also be quoted for.
Bank guarantee (point no. 15)	A bank draft or bank guarantee worth of 4% of quoted price payable to “FIST CHEMICAL” as EMD which shall remain valid for a period of 45 days beyond the final bid validity date.	A bank draft of worth 4% of quoted price payable to “FIST CHEMICAL” or bank guarantee of worth 4% of quoted price in favor of NIT Durgapur, as EMD which shall remain valid for a period of 45 days beyond the final bid validity date.
Monochromator Profile:	Czerny-Turner/Stockdale or equivalent optical mounting with spectral band widths: Nominal 0.1 - 1.0 nm spectral band width by automated slit selection	Czerny-Turner /Stockdale/ Littrow or equivalent optical mounting with spectral band widths: Nominal 0.2 - 1.0 nm spectral band width by automated slit selection
Efficiency	Background signals below 2A are to be corrected for less than 2 % error & Total signal up to 3A or more OR 2.5 A B.G. in 2 ms response	Background signals below 2A are to be corrected for less than 2 % error & Total signal up to 3A or more OR 2.5 A B.G. in 2 ms response OR equivalent
Graphite Furnace Atomization:	Working temperature range up to 3000°C or better with proper heating rate.	Working temperature range up to 2600°C or better with proper heating rate.

	Furnace vision system (GFTV) accessory to provide high definition images of events inside the graphite furnace cuvette, allowing monitoring of the sample injection and behavior is desired.	Suitable camera for capturing high definition images of events inside the graphite furnace cuvette, allowing monitoring of the sample injection and behavior is desired.
Sampling modes	Both manual and auto sampler for FAAS, GFAAS.	Both manual and auto sampler for FAAS and GFAAS, respectively
<b>Gas Regulator</b>	for Acetylene, Nitrous Oxide, imported type.	<b>Imported gas regulators</b> for Acetylene, Nitrous Oxide and argon.
	Three nos of Gas cylinders (filled) two from each category, i.e. acetylene, nitrous oxide and Argon with regulator must be supplied. Gas panel for argon gas to be offered with necessary filters.	Six nos of Gas cylinders (filled) two from each category, i.e. acetylene, nitrous oxide and Argon with imported regulator, gas panel along with necessary filters must be supplied.
Consumables and spares	Graphite Tubes for trouble free running of the instrument for 5 years, is also to be quoted along with one service manual and one operation manual.	50 nos. graphite tubes for graphite furnace along with one service manual and one operation manual.
Service requirement	Three years comprehensive warranty from the date of installation and commissioning of the instrument. This should include service and consumables and spares required for trouble free running of the instrument for 3 years. Supplier also requires to offer cost for 3 years annual maintenance after completion of warranty period.	Warranty period (36 months comprehensive on-site). This should include service and spares. An optional 24 month comprehensive warranty must also be quoted for.

Optional requirement		Added: <ul style="list-style-type: none"><li>• Consumables for analysis of 500 samples in flame and graphite mode each.</li><li>• Modifiers for elemental analysis in graphite furnace</li></ul>
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