



# राष्ट्रीय अंगूर अनुसंधान केन्द्र

(भारतीय कृषि अनुसंधान परिषद)

डाक पेटी नं. 3, मांजरी फार्म डाकघर, सोलापूर रोड, पुणे – 412307, भारत

## NATIONAL RESEARCH CENTRE FOR GRAPES

(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

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### TENDER No. 6 / 2012 – 2013

Sealed tenders are invited from the reputed manufacturers/registered firms from India and abroad and/or their Indian agents by the Director, NRC Grapes, Pune for the following items:

Sr. No.	Equipment	Qty required	Rate of EMD (Rs.)
1.	Fast HPLC-PDA, immunoassay Fluorescence detector, kobra cell, etc along with UPS and required accessories.	01	150000.00
2.	DART – Orbitrap Exactive LC-MS along with LC, UPS and required accessories	01	1200000.00
3.	Upgradation of Existing Dionex HPLC –PDA to a fast HPLC PDA along with UPS and required accessories.	01	180000.00
4.	Water purification system for HPLC grade water	03	45000.00
5.	Homogenizer /Robot cupe food processor	02	24000.00
6.	Replacement of the existing Shimadzu GC 2010 to higher version of fast GC along with UPS and required accessories	01	120000.00

The Tender forms, along with Specifications are available at our Web Site <http://nrcgrapes.nic.in>. The bidders may use the documents downloaded from the web site. Cost of documents for **Rs. 500.00** by DD may be submitted along with the bid. Tender form can also be obtained on any working day against payment of **Rs.500.00** for each form in person from the office of the Institute at Manjri Farm, Solapur Road, Pune up to **06.03.2013** between **10.30 A.M. and 4.00 P.M.** The payment made for obtaining tender forms is non – refundable.

Two bid viz. (a) Technical bid consisting of all technical details along with commercial terms & conditions and (b) Financial bid indicating item wise price for the items mentioned in the technical bid, are to be submitted. The technical bid and the financial bid should be sealed in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed. The financial bids of only the technically accepted offers will be opened for further evaluation. **There will be a pre-bid conference on 27.02.2013 at 11.00 A.M.** at this office for clarifying issues and clearing doubts, if any about the specifications and other allied technical details of equipments.

The Tender duly completed in all respect along with Bid Security (EMD) in the form of A/c. Payee Demand Draft drawn in favour of **“ICAR UNIT, NRC FOR GRAPES”, PUNE** or Banker's Cheque or Bank Guarantee from any of the Commercial Banks in the prescribed form should reach at this office on or before **4.00 P.M. on 19.03.2013 (Tuesday)** which will be opened on **20.03.2013 (Wednesday)** at **11.30 A.M.** **The tenders without bid security will be rejected outright.** Separate Tender should be submitted for each item. The Director, National Research Centre for Grapes, Pune, reserves the right to accept or reject any or all the Tenders without assigning any reason thereof.

Sd/-

(O. Babu)

Assistant Administrative Officer

# **Specifications for Fast HPLC-PDA, immunoassay Fluorescence detector, kobra cell, etc along with UPS and required accessories.**

## **(Item No.1, Tender No.6/2012-13)**

The system should be designed for aflatoxin, amino acids and sugar analysis an automated Modular Fast Liquid Chromatography system with quaternary gradient pump capable of pumping four solvents at a time with a wide range of flow rate and with minimum dead volume. The system should have reliable and stable solvent delivery over a wide range of flow rate. The HPLC system should comprise of following modules with desired specifications.

### **Quaternary Pump**

The pump should be

- 1) Low pressure mixing Quaternary.
- 2) Minimum 10 gradient profiles.
- 3) Capability of flow rate upto 2ml/min flow rate.
- 4) Capability of selecting at least 10 solvents.
- 5) Able to withstand 9000 psi pressure.
- 6) Able to with stand pH from 2-12.
- 7) Composition precision of < 0.15RSD or better.
- 8) Flow precision of 0.075% RSD or better.
- 9) Equipped with a pump seal wash facility.
- 10)The system should have a effective system delay volume of < 400 $\mu$ L.
- 11)Desired to have an intergerated 4 channel degassing, and one additional for needle wash.

### **Autosampler**

- 1) Injection volume range should be 0.1 to 250ul or more.
- 2) The linearity should be >0.999 caffeine, or better.
- 3) The sample compartment should be able to control temperature upto 4°C.
- 4) Autosampler should have a programmable needle wash.
- 5) Autosampler should be able to hold 96 vials or more.
- 6) Autosampler should have features such as auto dilution.

### **Column oven**

The temperature control should be upto 90°C. It should have active preheating. It should have the facility to store and archive data from the individual columns. , such as number of injections, runtime, method used.

## **Fluorescence (FLR) detector**

- 1) FLR Detector is a multi-channel, multi-wavelength fluorescence detector suitable for fast HPLC.
- 2) FLR detector' should have low-volume flow cell design, low-noise electronics and support for data rates up to 80 Hz.
- 3) FLR detector includes Leak Sensor assembly.
- 4) Detector wavelength range is 200-900nm.
- 5) Signal-to-noise ratio is >1000 (Water Raman band).
- 6) The detector incorporates four data channels, two wavelength pairs per channel, and supports both 2D and 3D scanning injection modes.
- 7) Instrument communications with the host computer are through Ethernet communications protocols.
- 8) Aflatoxin Analysis kit (kobra cell if required).
- 9) This kit contains everything required to perform required analysis that will show amounts of Aflatoxins (toxins) present in grains, nuts, spices, dairy products. (It includes the optional Large Volume FLR Flowcell).

## **ELSD**

- 1) It should have fast data acquisition speed and compatible with fast HPLC.
- 2) Light Source: Tungsten halogen pre-aligned.
- 3) Digital Data: 80 hz, detector: photomultiplier tube.

## **Original LC Manufacturer's Licensed Software**

- 1) Chromatography software with integrated database (current version license copy).
- 2) Software should have Instrument Method, Processing Method, Report Method, Custom field / Custom calculations.
- 3) Software should offer multiple levels of password, security to ensure the integrity of all your raw data and results and extensive audit trail.
- 4) Multiple user interfaces
- 5) Latest computer (4 GB RAM and 500GB Hard disc) and laser jet printer (back to back) with 19" LCD monitor with Antivirus total security for 3 years license copy.
- 6) External hard disc 1TB (2 No.)
- 7) UPS for the entire instrument (10 kva with 2 hours backup).

## **Accessories:**

- 1) C18 columns (submicron) with guard columns (3 No.)
- 2) HILIC chemistry (2 No.)
- 3) Cyano column (1 No.)
- 4) PTFE vial 1.8 ml capacity (500 No.)
- 5) Amber colored Recovery Vial 1.8 ml capacity (500 no.)
- 6) Immuno affinity columns (500 nos.) applicable for aflatoxin analysis.

# Specification for High Resolution accurate Mass LCMS

## (Item No.2, Tender No.6/2012-13)

The work station should be of FTMS Orbitrap/Q-TOF based technology and should demonstrate following minimum specifications:

**Source:** 1) Dedicated separate ESI and APCI source with compatibility to wide flow rate for ESI 1ul-1ml/min and for APCI 50ul/min to 2ml/min.

2) DART source with Rapid vaporization of sample into the ionizing gas exiting a direct analysis in real time. Source should have a high electrical current through a metal wire screen to which sample has been applied. Should have capability to modulate the electrical current flow through the wires to facilitates either rapid desorption for the determination of single component samples or slower desorption where analysis of mixtures

**Mass Analyzer:** Hybrid system with quadropole and high resolution Mass analyser with collision induced dissociation for MS/MS, The mass analyzer should be Orbitrap FTMS/ Q-TOF.

**Mass Range:** The Mass range up to 4000m/z for Orbitrap FTMS and TOF mass range of Q-TOF should be 25,000m/z or better.

**Resolution:** Minimum resolution of 40,000FWHM within the mass range m/z 200-900m/z or better higher resolution will be preferred

**Mass Accuracy:** System should demonstrate the Mass Accuracy measurement of 1ppm with internal calibration and <3ppm with external calibration.

**Calibration:** System should preferably be capable of performing internal calibration without introduction of any lock masses by picking-up any stable background ion.

Q- TOF system should have dual spray design for calibration on line where separate analyte and reference spray for calibration online.

**Sensitivity:** Sensitivity: System should demonstrate to produce S/N 100:1 or 2000 counts/sec for 200fg of reference standard in full scan.

**MS Capability:** System should be capable of performing Full MS, Selected Ion Monitoring (SIM), MS/MS of isolated ions and MS<sup>n</sup> with high resolution accurate mass detection,

Positive/negative polarity switching.

**Vacuum pump:** air cooled Turbo molecular pump with rotary back up pumps

**Dissociation:** Should have collision induced dissociation CID/ HCD for MS and MS/MS analysis.

**Scan Rate:** Scan rate/acquisition of 10 hz/sec or better in MS and MS/MS mode

**Dynamic Range:** System should demonstrate the dynamic range minimum of 4 orders of Dynamic Range.

**Tuning:** System should have complete Auto-Tuning capability and tuning should be with easy window wizard and easy to perform

**Software:** The software should control, acquire and process the data from Mass spectrometer, Fast HPLC UV detector. Special software should be provided with HRAM library database of 500 compounds or more, Targeted screening, General Unknown screening, Quantitation, Database and Library matching, Elemental composition, Isotope ratio matching, Chemspider web search.

**Hardware:** Dell /IBM Core 2 Duo Processor with advance features recent model and compatible to the system with 20 inch monitor. An additional monitor of the same dimension should be provided for easy data processing.

Quick Heal Total Security antivirus system with three (3) years of subscription.

Four external hard disks, each with minimum 1 TB capacity. (03 nos.)

**HPLC system suitable for GPC cleanup application with following specifications:**

- **Gradient pump** with serial dual reciprocating pistons with on-the-fly compression with pressure transducer purge valve with a flow rate range of 0.001 – 10 ml/min, and pressure range of 9000 psi, Flow rate accuracy of  $\pm 0.1\%$ , flow precision of  $<0.05\%$  RSD and gradient delay volume of 690 uL.

Additional Gradient pump to be offered.

- **Auotsampler** with Inline Split loop with sample capacity of 120 x 1.8/2 ml Vial and 15 x 10 ml vials, injection Volume of 1-100 uL, precision  $<0.25\%$  RSD and accuracy  $\pm 0.5\%$  & carryover of  $<0.004\%$  and temp. control of: 4–45°C. at 22 deg C below ambient and temp. accuracy of  $\pm 2^\circ\text{C}$
- **Diode Array Detector** with wavelength range of 190-800 nm and pixel resolution of 1 nm, drift :  $< 1$  mAU/h and Noise :  $< \pm 8$   $\mu\text{AU}$ , data collection rate of 100 Hz, wavelength accuracy of  $\pm 1.0$  nm, analytical flow cell of 13uL & 10mm path length, temperature control for deuterium and tungsten lamp. 3D PDA software for peak purity, spectral library match and online spectral plot for comparing apex spectra with all data point on peak.
- **Column Oven (Peltier technology)** with, bi-directional fan-assisted convection for high temperature constancy cooling/ heating with Eluent Preheater, temp. accuracy of  $\pm 0.5^\circ\text{C}$ , stability:  $\pm 0.1^\circ\text{C}$ , Precision :  $\pm 0.1^\circ\text{C}$  and temp. range:  $5^\circ\text{C}$  to  $80^\circ\text{C}$ .
- **Programmable Fraction Collector** with max. flow rate of 150 ml/min, carryover volume of 15 uL, time collection, volume collection and tube change time  $<250\text{ms}$ , automatic shut down facility, Restart programming for repeated separation and two racks of 90 position x 8 ml tubes. rack of 18 mm OD tubes, 72 position

**Chromatography software**

- Chromatography data system for control, acquisition, processing, & Reporting software. Chromatography Software should have client/server, 32-bit design for Windows 7.0 64 bit
- It should be 21 CFR Part 11 compliance
- It should have flexible reporting as users desires for complete chromatography information Reporting.
- It should also record the instrument event such as injection, complete instrument settings, changes & conditions in real time.
- GPC Software
- Quick Heal Total Security antivirus with three years of subscription
- Least version suitable computer for GPC and Chromatography Software with laser Jet Printer (Back-to –Back) should be provided

**System Qualifications and documentation (IQ, OQ and PQ) should be performed**

**Accessories**

- Nitrogen generator with inbuilt imported compressor (noise and oil free)
- Gas cylinders (Helium and Argon) with regulator ( 2 No. each).
- An additional Nitrogen generator should be quoted with capacity to take care of the need to run two standard LC-MS/MS triple quad systems.
- UPS: 20 KVA on line UPS with minimum of 2 hour battery backup should be quoted.
- Suitable Columns and standards for GPC application in analyzing chemical residues in fatty matrices (e.g. nuts, edible oil, etc.) to be quoted.

**Specifications for Upgradation of existing Dionex HPLC– PDA to a fast HPLC –  
PDA or DAD with UPS and required accessories**  
**(Item No.3, Tender No.6/2012-13)**

The UHPLC+ System should comprise of Quaternary Gradient Pump with vacuum degasser, Autosampler, Diode Array Detector, Column Oven and Chromatography Software with the following specifications:-

**Quaternary Gradient Pump**

- Flow rate range 0.001–10 mL/min , Flow rate accuracy •  $\pm 0.1\%$  , Flow precision  $< 0.05\%$  RSD or  $< 0.01$  min SD, whichever is greater, Pressure range 9000 psi and above, Proportioning accuracy •  $\pm 0.5\%$  (of full scale), Proportioning precision  $< 0.15\%$  SD, No. of eluent lines 4
- Solvent degassing Built-in, 4-channels.

**Auotsampler**

- Sample capacity  $120 \times 1.8$  mL/2.0 mL vials,  $15 \times 10$  mL vials,
- Injection methods : In-line split-loop (flow-through), bypass mode, user defined programs, Injection volume range 0.01–100  $\mu$ L, Injection volume accuracy  $\pm 0.5\%$  at 50 and 90  $\mu$ L, Carry over  $< 0.004\%$  , Sample thermostating, 4–45 °C or 22 °C below ambient (thermostatted sampler version) , Sample temperature accuracy  $\pm 2$  °C.

**Diode Array Detector(DAD)/ Photo Diode Array Detector(PDA)**

- Maximum Data Collection Rate 100 Hz, No. of diodes 1024, Wavelength Range 190 to 800 nm Drift ,  $< 1$  mAU/h (typically  $< 0.5$  mAU/h) at 254 nm and 520 nm, with water at 1.0 mL/min
- Linearity  $< 3\%$  RSD and corr. coeff.  $> 0.9995$  up to 1.5 AU, typically  $< 5\%$  RSD and corr. coeff.  $\geq 0.999$  up to 2.0 AU.
- Light Source: Deuterium lamp, tungsten lamp, temperature control for both lamps.
- Wavelength Accuracy  $\pm 1.0$  nm, self-calibration with D-alpha line, verification with holmium oxide filter Pixel resolution  $< 1$  nm

**Column Oven**

- Temperature Range 5 °C to 80 °C, maximum 18 °C below ambient, Temperature Accuracy  $\pm 0.5$  °C, Temperature Stability  $\pm 0.1$  °C, Temperature Precision  $\pm 0.1$  °C.

**Chromatography software**

- Chromatography data system for control, acquisition, processing, & Reporting software.
- Chromatography Software should have client/server ,32-bit design for windows 2000 & XP Professional
- It should have flexible reporting as users desires for complete chromatography information Reporting.
- It should also record the instrument event such as injection, complete instrument settings, changes & conditions in real time.
- Least version suitable computer for chromatography software with laser Jet Printer (Back-to – Back) should be provided and UPS 5 KVA with 2 hrs. back-up.

## **Specification for Water Purification System** **(Item No.4, Tender No.6/2012-13)**

Ultrapure Water Purification System should be a 3 sub-unit system, as follows: (1) RO Pre-Treatment unit. (2) Tank / Reservoir unit. (3) Ultra-purification Unit. The three sub-unit configuration should ensure easy maintenance. Failure of the one sub-unit should not affect the working of other system (no chance of complete breakdown)

### **Stage –I – RO Water - Specifications**

System should have:

- System should be capable of working without any external booster pump (ie- only atmospheric Pressure).
- Two stage RO Modules.
- Easy front access service door.
- GRID Control Panel (Graphically Represented Intuitive Display)
- RS232 parallel port.
- Product purity with:
  - Inorganics – min. - > 90% rejection.
  - Inorganics – Typical - Up to 98% rejection.
  - TOC – typical (dependent On feed water) - > 99% rejection.
  - Flow Rates - 15 L/Hour
  - Bacteria - < 5 CFU/mL
  - Particles - > 99% rejection
  - Feed Water - up to 1800 micro S/cm.

### **Stage –II – Tank Reservoir- Specifications**

Tank Reservoir should be:

- Made up of Polyethylene.
- In square shape and 25L.
- With level sensor for both RO and Ultrapure system.
- With Composite vent filter consisting of Soda lime, Charcoal and 0.45 um membrane to remove Micro-Organism and should not allow Carbon dioxide gas to flow in to the tank .
- Equipped with over flow valve.

### **Stage –III – Ultra pure Water – Specifications -**

System should have:

- Real -time display of Resistivity/conductivity & Temperature of product water.
- Complete Sanitization- System should be capable of sanitizing complete system.
- Including all tubing, pump, UF cartridge, valves, sensors, UV chamber etc. It should not be restricted to limited portion.
- Multi-stage monitoring
- Electronically Tagged Cartridges.
- Intelligent dispensing (Drop by drop to 2 Lit/Min).
- Synthetic Quartz UV sleeve.
- Dry armature solenoids.
- Whisper quiet pump.
- Dual wave length UV lamp (185/254 nm)
- Ultrafiltration cartridge of 5kDa cut off with min. 2-3 years lifetime.
- Option to place final POU filter of 0.2 um.



- Auto Recirculation Option.
- Easy front access service door.
- Product Flow rate up to 2 Lit./min.
- Product water specification as,
  - Resistivity at 25 °C -18.2 M Ohm cm.
  - Conductivity - 0.055 uS/cm.
  - TOC (RO pre-treatment) - < 3 ppb\*
  - Bacteria - < 1 CFU/mL.
  - Bacterial endotoxin - < 0.001 EU/mL
  - RNase/DNase - Free.
  - Particles - Ultrafilter.

**\*Dependent on feed water. Recommended feed < 50 ppb TOC.**

# **Specification for Homogenizer**

## **(Item No.5, Tender No.5/2012-13)**

### **Homogenizer**

1. Magnetic drive – less technology
2. Preferably with no ball bearing and no mechanical couplings
3. Speed range from 5,000 to 26,000 rpm
4. Integrated rpm-meter
5. Digital display for speed control
6. Dispersing volumes from 0.8 to 2000ml (as per tool specs)
7. Range of Viscosity from  $> 1$  to  $< \text{equal to } 5,000 \text{ mPa.s}$
8. Noise level: appx 61 db A; Operation with water.
9. Power consumption: 130W
10. Voltage:100-240V, 47-63Hz

#### **A. Accessories:**

- a) Shaft for Volume: 100-1500 ml
- b) Shaft for Volume: 25 -250 ml
- c) Shaft for Volume: 3-50 ml
- d) Shaft for Volume:0.8-30 ml
- e) Shaft for Volume:100-2000 ml

## **Replacement of the existing shimadzu GC 2010 to higher version of fast GC along with UPS and required accessories**

### **(Item No.6, Tender No.6/2012-13)**

The Gas chromatograph system should be capable of delivering advance separation capabilities and real time self monitoring intelligence to provide superior performance for all GS and GC-MS application. The Gas Chromatography system should have the following features for enhanced quantification/ qualification capabilities.

#### **Chromatography Performance:**

- Advance electronic pneumatic control (EPC) modules with Pressure set points adjustable in increment of 0.001Psi
- High performance GC oven temperature control from ambient temperature +4<sup>0</sup>C t o 450<sup>0</sup>C
- Supports minimum 20 oven ramps with 21 plateaus
- Maximum achievable temperature ramp rate: 120<sup>0</sup>C /min
- Pressure set point and control precision to 0.001 psi provides more retention time locking precision for low- pressure applications.
- Atmospheric pressure and temperature compensation is standard, so results do not change, even when the laboratory environment does.
- Preprogrammed leak tests and Automatic Liquid Sampling – fully integrated into mainframe control

GC system should be capable to support simultaneously two inlets and three detectors with state of art detector electronics.

#### **Injector:**

The injector should be a multi propose injector which should allow standard split/ split less combined with Temperature Programmable capabilities which allow for large Volume Injection.

Temperature: with LCO<sub>2</sub> it should go upto -70<sup>0</sup>C

It should offer following injection Modes: Hot or Cold Split / Split less, Pulsed Split/ Split less solvent Vent, Direct

Auto Sampler: Auto Liquid Sampler with vial capacity of minimum 150 samples wit following specifications:

Sample Discrimination: <=10%

Area Reproducibility: <0.3%

Carryover: Less than 1 part in 1000,000

The system should have the facility to allow changing of GC columns without breaking MS vacuum.

Flame Ionization Detector

Helium Cylinders: Two Helium cylinders with regulators

UPS: 10 KVA with 2 hour backup

GC trolley for easy transportation

# INSTRUCTION TO BIDDERS (ITB)

## A. INTRODUCTION

### 1. Sources of funds

1.1 The expenditure to be incurred for this intended purchase will be met from the funds available with the purchaser named in the Schedule of Requirements, hereinafter referred to as "The Purchaser".

### 2. Eligible bidders

2.1 This invitation for bids is open to all suppliers, who will fulfill the eligibility criteria as well as the qualification criteria, incorporated in this document.

### 3. Cost of bidding

3.1 The bidder bear all costs associated with the preparation and submission of its bid including samples, drawing, literatures, etc. The Purchaser will in no case be responsible or liable any such cost, regardless of the conduct or outcome of the bidding process.

## B. THE BIDDING DOCUMENTS

### 4. Content of bidding documents

4.3 The goods required bidding procedure and contract terms are prescribed in the bidding documents. In addition to the invitation for bid, the bidding documents include:-

- a) Instruction to Bidders (ITB)
- b) General Condition of Contract (GCC)
- c) Schedule for Requirements
- d) Technical Specification and Quality Control Requirements
- e) Questionnaire
- f) Bid Form and Price Schedule
- g) Bank Guarantee Form for Bid Security
- h) Manufactures Authorization Form
- i) Bank Guarantee Form for Performance Security
- j) Contract Form

**4.2 In case of any contradiction between the stipulations made in ITB & GCC and Schedule of Requirements, the stipulations incorporated in the Schedule of Requirement will prevail over the corresponding stipulations contained in the ITB and / or GCC.**

4.3 The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in rejection of its bid.

### 5. Clarification of bidding documents

5.1 A prospective bidder requiring any clarification in connection with the bidding documents may notify the purchaser in writing or by telex or cable at the purchaser's mailing address indicated in the **Schedule of Requirements**. The purchaser will respond in writing to any request for clarification of bidding documents, which it received no later than 21 (twenty one) days prior to the deadline for submission of bids prescribed by the purchaser. The Purchaser at its discretion may send the relevant text of this correspondence (without identifying the source of inquiry) to all the prospective bidders, which have received the bidding documents.

### 6. Amendment of bidding documents

6.1 At any time prior to the deadline for submission of bids the purchaser may for reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.

6.2 The amendment will be notify in writing or by telex or cable to all prospective bidders, which have received the bidding documents and will be binding on them.

- 6.3 In order to provide the prospective bidders with reasonable time in which to take the amendment into account preparing their bids, the purchaser may at its discretion extend the deadline for the submission of Bids and other allied time frame having linkage with that deadline.

## **C. PREPARATION OF BIDS**

### **7. Language of bid**

- 7.1 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, shall be written in English language. Supporting documents and printed literature furnished by the bidder may be written in other language, provided they are accompanied by an English translation of their passages in which case, for the purpose of interpretation of the bid, the English translation shall govern.
- 7.2 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser may also be written in Hindi language, provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the bid, the English translation shall govern.

### **8. Document constituting the bid**

- 8.1 The bid submitted by the bidder shall comprise of the following documents:-
- a) A bid form and a price schedule in accordance with ITB clauses 9, 10 & 11.
  - b) Documentary evidence established in accordance with ITB clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
  - c) Documentary evidence established in accordance with ITB clause 14 that the goods and ancillary services to be supplied by the bidder conform to the bidding documents.
  - d) Bid security furnished in accordance with ITB clause 15.
  - e) The questionnaires (attached as Annexure ----- with the bidding documents) duly filled in.

Note:- A bid, which does not fulfill any of the above requirement and / or gives evasive information / reply against any such requirement, shall be liable to be declared unresponsive and summarily rejected.

### **9. Bid form**

- 9.1 The bidder shall indicate on the bid form and the appropriate price schedule furnished in the bidding documents in section IX/1, indicating, inter alia for the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.

### **10. Bid Prices**

- 10.1 The Bidder shall indicate on the Prices Schedule the unit price and total bid prices of the goods it proposes to supply under contract. To this end, the Bidders are allowed the option to submit for any one or more schedule specified in the 'Schedule of Requirement' and to offer discount for combined schedules. However, Bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award.

- 10.3 Prices indicated on the price schedule shall be entered separately in the following manner:-

#### **I. For goods offered from within India:-**

- a) The Price of the goods, quoted ex-factory, ex-showroom, ex-warehouse or off-the-shelf, as applicable, including customs, excise, and any other duties and sales and other taxes already paid or payable on the component and raw material used in the manufacture or assembly of the goods quoted ex-factory or on the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf.
- b) Any sales or other taxes / duties including excise duty, which will be payable on the goods in India if the contract is awarded.
- c) Charges for inland transportation, insurance and other local costs incidental to delivery of the goods to their final destination. The final destination is specified in the Schedule of requirements, and

- d) The price of incidental services as and if listed in Schedule of Requirements.
- e) Any element of costs, taxes, duties, levies, etc, not specifically indicated in the bid, shall not be paid by the purchaser.

II. For goods offered from abroad:-

- a) The prices of goods shall be quoted CIF port of entry in India or CIP named place of destination in India as and if specified in the specified in the Schedule of Requirements. In quoting the price, the bidder shall use ocean transportation through India flag vessels of India origin or through vessels of Shipping Conference Lines in which India is a member country. Similarly, the bidder may obtain insurance services from any nationalized insurance company in India.
- b) The price of goods shall be quoted FOB port shipment, as and if specified in the Schedule of Requirements.
- c) Charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, which is specified in the Schedule of requirements, and
- d) The price of incidental services as and if listed in the Schedule of Requirement.
- e) Any element of cost, taxes, duties, levies, etc. not specifically indicated in the bid, shall not be paid by the purchaser.
- f) The terms FOB, CIF, etc shall be governed by the rules and regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.
- g) 10.4 The bidder's separation of the price components in accordance with ITB clause 10.2 above will be solely for the purpose of facilitating the comparison of bid by the purchaser and will not in any way limit the purchaser's right to contract on any of the terms offered.

10.3 Prices quoted by the bidders shall remain firm and fixed during the currency of the contract and not subject to variation on any account, unless otherwise specified in the **Schedule of Requirement**, Of the requirement is for a fixed price bid, a bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB clause 23.

### 11. Bid currencies

11.1 For domestic goods prices shall be quoted in India rupees only. Commission for Indian Agent, if payable, shall also be quoted in Indian Rupees only in a manner as specified in ITB clause No.12.2 for imported goods prices shall be quoted either in Indian Rupees or in the currency of the country of origin of goods. Bids, where prices are quoted in any other way shall be treated as non-responsive and rejected.

### 12. Indian Agent

12.1 If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information in the bid:-

- i. The name and address of the Indian agent with their permanent income tax number.
- ii. The details of the services the agent will render.
- iii. The amount of remuneration for the agent, included in the FOB component of the bid price.

12.2 The agency commission shall be indicated in the space provided for in the price schedule and will be paid to the bidder's agent in Indian rupees using the telegraphic transfer buying rate of exchange ruling on the date of ward of contract and shall not be subject to any further exchange – variation.

### 13. Documents establishing bidder's eligibility and qualifications

13.1 Pursuant to ITB clause 8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualification to perform the contract if its bid is accepted.

13.2 The documentary evidence of the bidder's qualifications to perform the contract if its bid accepted, shall establish to the purchaser's satisfaction.

- a) That in the case of bidder offering to supply goods under the contract which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized (as per authorization form in section VII/3) by the good's manufacturer or producer to supply the goods in India.
- b) That the bidder has financial technical and production capability necessary to perform the contract and also, it meets the criteria indicated in the **Schedule of Requirements**.
- c) That in the case of bidder not doing business in India, the bidder is or will be (if successful) represented by an agent in India equipped and able to carry out the supplier's maintenance, repair and spare parts stocking obligations prescribed by the conditions of the contract and / or technical specifications.
- d) That such an agent (w.r. to sub-para c above) is enlisted with Directorate General of Supplies & Disposals, Jeevan Tara Building, Sansad Marg, New Delhi – 110 001, under the scheme of Ministry of Finance, Govt. of India for compulsory enlistment of Indian Agents.
- e) If an agent in its bid submits quotations on behalf of more than one manufacturer, it is necessary that each such bid is accompanied by a separate bid form and bid security for each quotation and authorization from the respective manufacturer (as per authorization form in Section VII/3). Otherwise all such quotations will be rejected as non-responsive.

#### **14. Documents establishing good's eligibility and conformity to bidding document.**

- 14.1 Pursuant to clause 8, the bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the bidder proposes to supply under the contract.
- 14.2 The documentary evidence for eligibility of the goods and services shall consist of a statement in the price schedule, about the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding document may be in the form of literature, drawing, data, etc. and shall consist of:-
  - a) A detailed description of the good's essential technical and performance characteristics,
  - b) A list giving particular, including available sources and current prices of all spare parts, special tools, etc. necessary for the proper and continuing functioning of the goods for a period of two years (or more, if specified in the schedule) following commencement of the use of the goods by the purchaser; and
  - c) A clause-by clause commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and expectations to the Technical Specifications.
- 14.4 For purpose of the commentary to be furnished to ITB clause 14.3 above the bidder shall note that the standards of workmanship, material and equipment and reference to brand names or catalogue number, if any designated by the purchaser in its 'Technical Specifications' are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue number in its bid, provided that it demonstrate to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the 'Technical Specification'

#### **15. Bid Security**

- 15.1 Pursuant to clause 8, the bidder shall furnish as part of its bid, a bid security of an amount specified in the Schedule of Requirement.
- 15.2 The bid security is required to protect the purchaser against risk of bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause 15.7.
- 15.3 The bid security shall be denominated in the currency of the bid or in Indian Rupees and shall be in one of the following forms:-

- a) Demand draft on a scheduled commercial Bank in India, drawn in favour of the designated officer of the purchase organization and payable at a place as indicated by the purchaser in the Schedule of Requirements.
  - b) A bank guarantee issued by a scheduled commercial bank in India or a bank abroad, duly confirmed by a scheduled commercial bank in India in the form provided in the documents under section VII/2 and valid for 45 days beyond the validity of the bid.
- 15.4 Any bid from a bidder, not secured in accordance with ITB clause 15.1 and 15.3 will be summarily rejected by the purchaser, as non-responsive, pursuant to ITB clause 24.
- 15.5 Unsuccessful bidder's bid security will be discharged/returned as promptly as possible after the expiration of the period of bid validity prescribed by the purchaser, pursuant to ITB clause 16, but, barring any unforeseen circumstances, not later than 45 days of the award of contract.
- 15.6 The successful bidder's bid security will be discharged/returned upon the bidder, signing and accepting the contract pursuant to ITB clause 33 and furnishing the performance security, pursuant to ITB clause 34.
- 15.6 The bid security may be forfeited:
- a) If a bidder:-
    - i) withdraw its bid or impairs or derogates from the bid in any respect during the period of bid validity specified by the bidder on the bid form, or
    - ii) does not accept the correction of errors pursuant to ITB clause 24.2
  - b) In the case of successful bidder, if the bidder fails:-
    - i) to accept and sign the contract in accordance with ITB clause 33, or
    - ii) to furnish performance security in accordance with ITB clause 34.

## **16. Period of validity of bids**

- 16.1 Bids shall remain valid for acceptance for 90 (ninety) days after the date of bid submission prescribed by the purchaser, pursuant to ITB clause 19. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.
- 16.2 In exceptional circumstances, the purchase may solicit the bidder's consent to an extension of the period of bid validity up to a specified period. The request and the response thereto shall be made in writing (or any facsimile or cable or telex, which will be provided by a signed confirmatory copy simultaneously). The bid security provided under ITB clause 125 shall also be suitably extend. A bidder may refuse the request without forfeiting its bid security. However, a bidder agreeing to the request will not be required nor permitted to modify its bid.
- 16.3 If the date up to which the bid is to remain valid happens to be a closed holiday for the purchaser, the bid shall automatically remain valid up to the next working day of that organization.

## **17. Format and signing of bid**

- 17.1 The bidder shall prepare two copies of the bid, clearly making them "Original Bid" and "Duplicate copy of Bid" respectively. In the event of any discrepancy between them, the original shall govern.
- 17.2 The original and the copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 17.3 Any interlineations, erasures or overwriting in the bid shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The front page of the bidding documents, containing the signature with date of the official (of the purchase organization) selling/dispatching the documents and the seal of that office



must be returned in original by the bidder along with the original copy of the bid, failing which the bid is liable to be ignored.

#### **D. SUBMISSION OF BIDS**

##### **18. Sealing and marking of bids**

18.1 The bidder shall seal the original and the duplicate copy of the bid in separate envelope, duly marking the envelopes as “Original” and “Duplicate” respectively. These envelopes shall then be sealed in an outer envelope. (In case more than two copies are required as per specific stipulation in the Scheme of Requirements, the copies of the bids shall be marked accordingly, like “Original”, “Duplicate”, “Triplicate” and so on. Each copy of the bid shall be sealed in a separate envelope and these envelopes shall then be sealed in an envelope).

18.2 The inner and outer envelopes shall be :-

a) Addressed to the purchaser at the address given in the **Schedule of Requirements**.

b) Bear the invitation for bids (IFB) number and the words “DO NOT OPEN BEFORE .....” (\* The time and the date of bid opening, as specified in the **Bid Data Sheet** shall be indicated here).

18.3 Each inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late” or if the invitation of bids (IFB) is cancelled.

18.4 If the outer envelope is not sealed and marked as required by ITB clause 18.2, the purchaser will not assume any responsibility for the bid’s misplacement or premature opening.

18.5 Bids send by Telegram, Telex, Cable or facsimile are not acceptable and will be rejected.

##### **19. Deadline for submission of bids**

19.1 Bids must be received by the purchaser at the address specified under ITB clause 18.2 not later than the time and date specified in the **Schedule of Requirements** and the purchaser will provide a receipt (inter alia containing time and date of receipt) Of the same. If that specified date happens to be a closed holiday for the purchaser, the bid will be received up to the appointed them on the next working day. If the Schedule of Requirements provided for receipt of bids through “Tender Box” the bids shall be submitted accordingly as per the instructions given in the **Schedule of Requirements**.

19.2 The purchase may, at its discretion, extend the deadline for the submission of bids by amending the bidding documents in accordance with the ITB clause 6, in which case all rights and obligations of the purchaser and bidders previously subjected to the deadline will thereafter be subject to the deadline as extended.

##### **20. Late Bids**

20.1 Any bid received by the purchase after the deadline for submission of bids prescribed by the purchaser, pursuant to ITB clause 19, will be rejected and/or returned/unreturned to the bidder.

##### **21. Modification and withdrawal of Bids**

21.1 The bidder may modify or withdraw its after submitting the same, provided that written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission of bids.

21.2 The bidder’s modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITB clause 18, A withdrawal notice may also be send by Telex or cable or Facsimile, but the same must be followed by a signed confirmation copy, postmarked no later than the deadline for submission of bids.

21.3 No bid may be modified subsequent to the deadline for submission of bids.

21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in the bid form.

Withdrawal of bid during this interval may result in forfeiture of the Bidder's bid security pursuant to ITB clause 15.7.

## **22. BID OPENING AND BID EVALUATION**

22.1 Opening of Bids by purchaser

22.2 The purchaser will open the bid in the presence of bidder's representative, who choose to attend, at the time, date and the place specified in the **Schedule of Requirements**.

If the specified date of bid opening is declared a holiday for the purchaser, the bids shall be opened at the appointed time and location the next working day.

22.2 The representative of a bidder, who intends to attend the bid opening, shall bring with him/her a letter of authority from the bidder on the bidders letter head, duly authorizing him/her to attend the bid opening. In the absence of such a letter of authority, the representative(s) will not allowed to enter and attend the bid opening. The bidders' representative who attend the bid opening, shall sign a register (which will be provided by the purchaser) evidencing their attendance.

22.3 The bidder's name, technical specification of the goods offered, bid prices, discounts, the presence or absence of the requisite bid security and such other details as the purchaser, at its discretion, may consider appropriate will be announced at the bid opening.

22.4 The purchaser will prepare appropriate minute of the bid opening for its official record.

## **23. Clarification of bids.**

23.1 During scrutiny and evaluation of bids, the purchaser may, at its discretion, ask a bidder for a clarification of its bid. The request for clarification and response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

## **24. Preliminary examination of bids unresponsive, substantially responsive and responsive bids.**

24.1 The purchaser will examine the bids to determine whether they are complete, whether the required bid validity is available, whether any computational errors have been made, whether the documents have been properly signed, and whether the bids are generally in order. While examining the bids, the purchaser will also keep in view the requirement as per ITB clause 8.

24.2 Arithmetical errors, if any, in a bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit prices and quantity, the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between the words and figures, the amount in words shall prevail. If the supplier does not accept the correction of such errors, its bid will be rejected.

24.3 Prior to the detailed evaluation pursuant to ITB clause 26, the purchaser will determine the substantial responsive of each bid to the bidding documents. A substantially responsive bid one which conforms to all the requirements and terms and conditions of the bidding documents, including the specifications and technical parameters of the goods as projected in the bidding documents, without material deviations. Deviations from as objections or reservations to the bidding documents critical provisions, such as those concerning bid validity, technical specifications performance security, warranty obligations, Force Majeure, taxes and duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent without proper authorization from the manufactures per ITB clause 13.2 (a), shall be treated as non-responsive.

The purchaser's determination of a bid's responsiveness is to be based on the content of the bid itself without recourse to extrinsic evidence.

24.4 The purchaser may waive any minor infirmity, non-conformity or irregularity in bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.

24.5 The conclusion drawn by the purchaser as to substantial responsiveness or otherwise of a bid or consideration of a minor infirmity or non conformity or irregularity in a bid is final.

24.6 If a bid is determined as not substantially responsive, it will be rejected by the purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.

## **25. Conversion to single currency**

25.1 To facilitate evaluation and comparison of bids, the purchaser will convert all bid prices expressed in the amount in various currencies in which the bid prices are payable, to Indian rupees at the BC selling market rate exchange established by the State bank of India for similar transaction as on the date of bid opening.

## **26. Evaluation and comparison of bids.**

26.1 The purchaser will evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB clause 24 for each schedule separately. The bid for a schedule will not be considered if the complete requirements covered in the schedule is not included in the bid. However, as stated in ITB clause 10, bidders are allowed the option to bid for any one or more schedule and to offer discount for combined schedules. These discounts will be taken into account in the evaluation of the bids so as to determine the bid or combination of bids offering the lowest evaluated cost for the purchaser in deciding award(s) for each schedule.

26.2 The comparison shall be on CIP destination basis, duly delivered and commissioned (as the case may be) at the destination.

26.3 The purchaser's evaluation of a bid will include and take into account , in addition to bid price and price of the incidental services:-

- a) In the case of goods manufactured on India or goods of foreign origin already located in India sales tax and other similar taxes and excise duty and other similar duties, which will be payable on the goods of a contract is awarded to the bidder; and
- b) in the case of goods of foreign origin offered from abroad, custom duties and other similar import duties/taxes which will be payable on the goods if the contract is awarded to the bidder.

26.4 The purchaser's evaluation of bid will also take into account the following factor in the manner and to the extent specified in the Schedule of Requirements and amplified in ITB clause 26.5.

- a) Cost of inland transportation, insurance and other costs within India incidental to delivery of the goods to their final destination as stipulated in the schedule of requirements.
- b) Delivery schedule offered in the bid,
- c) The cost of components, spare parts and service,
- d) The availability of spare parts and after sale service in India for the goods offered in the bid.
- e) The projected operating and maintenance cost during the life of the equipment.
- f) Specific additional criteria.

26.5 Pursuant to clause 26.4 the following evaluation method, will be followed:

a. Inland transportation, insurance and incidentals:-

Bidders shall quote separately for inland transportation, insurance and other incidental for delivery of goods to the required destination as already indicated in the Schedule of Requirements. These costs, incurred in India shall be quoted in India currency. Such costs will be added by the purchaser to the EXW/CIF/CIP bid price.

b. Delivery Schedule:-

The purchaser required that the goods mentioned in the Schedule of Requirements shall be delivered at the destination within the time schedule specified therein. As and if necessary, the estimated time of arrival of goods from ex-work/port of entry to the destination will be calculated by the purchaser for each bid after allowing for reasonable transportation time based on the published tariff for Railway, appropriate Road Transport Agencies etc. Bids offering deliveries (as worked out on above lines), which are later than the specified delivery but within the allowable range (as specified in the Schedule of Requirement) will be adjusted during the evaluation by adding a factor equal to the percentage specified in the Schedule of

Requirements to the EXW/CIF/CIP price per week of variation from the specified delivery schedule.

- c. Cost of components and spare parts:-
  - i. The list of items and quantities of major assemblies, components, components and selected spare parts, likely to be required during the initial period of operation as specified in the Schedule of Requirements, is annexed to the Technical Specification. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price
  - ii. The purchaser will draw up a list of high usage and high value items of components and spare parts along with the estimated quantities of usages in the initial period of operation as indicated in the Schedule of Requirements. The total cost of these items and quantities will be computed from the corresponding unit prices quoted by the bidder and added to the bid price.
  - iii. The purchaser will estimate the cost of spare parts usages in the initial period of operation specified in the Schedule of Requirement based on the information furnished by each bidder, as well as on the past experience of the purchaser or other purchaser in similar situation. Such costs shall be added in the bid price for evaluation.
- d. Availability of spare parts and after sales services facilities in India:-  
The cost to the purchaser of establishing the required service facilities and parts inventories, as outlines in the Schedule of Requirements or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.
- e. The Projected Operating and maintenance cost during the life of the equipment:-  
These costs, which form a major portion of the life cycle cost of the equipment, will be evaluated in accordance with the criteria specified in the Schedule of Requirements and/or in the Technical Specifications.
- f. Specific additional criteria:-  
Other specific additional criteria to be considered in the bid evaluation and the corresponding evaluation method shall be incorporated in the Schedule of Requirement and / or in the Technical Specifications.

## **27. Bidder's capability to perform the contract**

- 27.1 The purchaser will determine to its satisfaction whether the bidder, which is selected as having submitted the lowest evaluated responsive bid, is qualified and prima face capable to perform the contract satisfactorily.
- 27.2 The determination will take into account the bidder's financial, technical and production capabilities for fulfilling all the requirement of the purchaser as specified in the bidding documents. This exercise will be based upon the examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB clause 2 & 13, as well as such other allied information as the purchaser deems necessary and appropriate.
- 27.3 An affirmative determination will be pre-requisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the purchaser will proceed to the next lowest evaluated bid to make similar determination of the bidder's capabilities to perform satisfactorily.

## **28. Purchaser's right to vary quantities at the time of award**

- 28.1 The purchaser reserves the right at the time of awarding the contract to increase or decrease by up to 25%, the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

## **29. Contracting the purchaser**

- 29.1 From the time of the bid opening to the time awarding the contract, if a bidder wishes to contact the purchaser on any matter related to the bid, it should do so in writing.
- 29.2 Any effort by a bidder to influence the purchaser's decision on bid evaluation, bid comparison or contract award shall result in the rejection of the bidder's bid, besides other suitable administrative action against the bidder, as deemed fit by the purchaser.

## **F. AWARD OF CONTRACT**

### **30. Award criteria**

30.1 Subject to ITB clause 28, the purchaser will award the contract to the successful bidder whose bid has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified and prima facie capable to perform the contract satisfactorily.

### **31. Purchaser's right to accept any bid and to reject any or all bids**

31.1 The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability, whatsoever, to the affected bidder or bidders.

### **32. Notification of award**

32.1 Before the expiry of the period of bid validity, the purchaser will notify the successful bidder in writing, by registered letter or by cable/fax/telegram/telex to be confirmed in writing by registered letter, that its bid has been accepted. The Schedule(s) of requirement and the corresponding quantity of the item(s) ordered, which have been accepted will, inter-alia, be mentioned in the notification.

32.2 The notification of award will constitute the formation of the contract.

32.3 Upon the successful bidder's furnishing the performance security pursuant to ITB clause 34, the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB clause 15.

### **33. Signing of contract**

33.1 At the same time as purchaser notifies the successful bidder that its bid has been accepted, the purchaser will send to the bidder by registered post or speed post, the contract form provided in the bidding documents, incorporating all agreements between the parties.

33.2 Within twenty-one (21) days of issue of the contract form by the purchaser, the successful bidder shall sign and date the contract and return it to the purchaser by registered post or speed post.

### **34. Performance security**

34.1 Within twenty one (21) days of the issue of notification of award by the purchaser, the successful bidder shall furnish the performance security in accordance with and as per the instruction incorporated in the general conditions of contract with regard to performance security.

34.2 Failure of the successful bidder to comply with the requirement of clause 33 or clause 34 shall constitute ground for annulment of the award and forfeiture of the bid security. In which event the purchaser may make the award to the next lowest evaluated or call for new bids.

## SECTION – III

### GENERAL CONDITIONS OF CONTRACT (GCC)

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## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **1. Definitions**

1.1 In this contract, the following terms shall be interpreted as indicated:-

- a) "IFB" means Invitation for Bids
- b) "ITB" means Instructions to Bidders
- c) "GCC" means General Conditions of Contract
- d) "RC" means Rate of Contract
- e) "Contract" means a legal agreement entered into between the purchaser and the supplier, as recorded in the agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f) "Contract Price" means the price payable to the supplier under a contract for the full and proper performance of its contractual obligations.
- g) "Goods" means all the items, material, equipment and / or machinery, which the supplier is required to supply to the purchaser in terms of a contract.
- h) "Services" means the services ancillary to the supply of the goods, such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other such obligations of the supplier covered under a contract.
- i) "Purchaser" means the buyer named in a bidding document and in the corresponding contract, purchasing the goods ordered and including its successors and/or assignees.
- j) "Consignee" means the individual or body to whom the contracted goods are required to be delivered as per the terms and the conditions incorporated in the contract.
- k) "Supplier" means the individual or firm supplying the goods under a contract and includes its successor and/assignees.
- l) "Day" means calendar day of the Gregorian Calendar.
- m) "Month" means calendar month of the Gregorian Calendar.

### **2. Application**

2.1 These general conditions of contract (as contained in this section) shall apply to the extent they are not superseded by provision in other parts of the contract.

### **3. Country of Origin**

3.1 All goods and services supplied under the contract shall have their original in India or in the countries with which the Government of India has trade relations.

3.2 For Purchase of this clause, "origin" means the place where the goods are mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, process and substantial or major assembling of components, a commercially recognized new product result that is substantially different in basic characteristic or in purpose or utility from its components.

3.3 The origin of goods and services is distinct from the nationality of the supplier.

### **4. Standards**

4.1 The goods supplied under this contract shall conform to the standards mentioned in the 'Technical Specification' and when no applicable standards is mentioned to the latest authoritative standards, as applicable to the goods country of origin.

### **5. Use of contract documents and information**

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Also, disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purpose of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information enumerated in GCC sub-clause 5.1 except for the purpose of performing the contract.

5.3 Every document other than the contract itself, mentioned in GCC sub-clause 5.1 shall remain the property of the purchase and shall be returned (in all copies) to the purchaser on completion of the supplier's performance under the contract, if so required by the purchaser.

## **6. Patent rights**

6.1 The supplier shall at all times indemnify the purchaser, free of cost, against all third-party claims of infringement of patent, trade mark or industrial design right arising from use of the goods or any part thereof in India.

## **7. Performance security**

7.1 Within 21 (twenty one) days after the issue of notification of award by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount of 10% (ten percent) of the contract value, valid up to 60 (sixty) days after the date completion of all contractual obligations by the supplier, including the warranty obligations.

7.2 In the event of any correction of defect or a replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of twelve months from the date of the correction/replacement (which will be determined by the purchaser in consultation with the supplier (shall be extended by 60 (sixty) days over and above the extended warranty period.

7.3 In the event of any contract amendment, the supplier shall, within 21 (twenty one) days of issue of such amendment, furnish the necessary amendment to the Performance Security, rendering the same valid in all respect in terms of the contract, as amended.

7.4 The proceeds of the Performance Security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.

7.5 The Performance Security shall be denominated in India Rupees or in the currency of the contract and shall be in one of the following forms:-

- a) Cash in Indian currency
- b) Demand Draft on any scheduled commercial bank, in India to be drawn in favour of the purchaser as indicated in the Schedule of Requirements.
- c) Bank Guarantee issues by a scheduled commercial bank in India in the prescribed form as provided in section VII/4 of this document.

7.6 Subject to GCC sub-clause 7.4 above, the performance security will be discharged by the purchaser and returned to the supplier on completion of the supplier's contractual obligations including the warranty obligations under the contract.

## **8. Inspection and tests**

8.1 The purchase and/or its nominated representative(s) shall have the right to inspect and/or to test the goods to confirm their conformity to the contract specification and other technical details incorporated in the contract at no extra cost to the purchaser. The Schedule of Requirement and the Technical Specification, incorporated in the bidding document, shall specify what inspections and tests, the purchaser required and where and how they are to be conducted. The purchaser shall notify in advance, the supplier in writing of the identity of any representative(s) for this purpose.

8.2 The inspection and tests may be conducted on the premises of the supplier or its sub-contractor(s) at the point of delivery and/or at the goods final destination. If conducted on the premises of the supplier or its sub-contractor(s), all reasonable facilities and assistance including access to relevant drawing, design detailed and production data, shall be furnished by the supplier to the inspectors at no charge to the purchaser.



- 8.3 Should any inspected or tested goods fail to confirm to the required specifications and standards, the purchaser may reject them and the supplier shall either replace and reject goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser for conducting the inspection and tests again.
- 8.4 Where the contract stipulated pre-despatch inspection by the purchaser's nominated inspecting agency, the supplier shall put up the goods for inspection to the inspecting agency well ahead of time, so that the inspecting agency is liable to complete the inspection within the stipulated delivery period. If the goods are tendered for inspection at the last moment without providing reasonable time to the inspection agency for completing the inspection, the inspecting agency may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the items have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal right and remedies available to the purchaser under the terms & conditions of the contract.
- 8.5 The Purchaser's right respect, test and where necessary, reject the goods after the goods arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or its representative prior to the dispatch of the goods from the country of origin or from the supplier's premises.
- 8.6 Nothing in GCC clause 8 shall, in any way, release the supplier from any warranty or other obligations under the contract.

## **9. Packing**

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during their transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperature, humid weather and precipitation during transit and open storage. The size and weights of the packing cases shall also take into consideration, where applicable, the available inland mode(s) of transport in India, the remoteness of the goods, final destination and the absence of heavy handling facilities at all points in transit. Further, limitation and/or mandatory instructions, if any, in the weights, volume and size of the packages shall also be taken care of by the supplier.
- 9.2 The packing, marketing and documentation within and outside the packages shall comply strictly with such special requirements, if any, as shall be expressly provided for in the contract including additional requirements, if any, specified in the **Schedule of Requirements** and any subsequent instructions given by the purchaser.
- 9.3 Packing Instructions:-  
The supplier will be required to make separate package for each consignee named in the contract. Each package will be marked by the supplier at its own expense, on three sides with indelible ink/paint with the following details:-
- a) Contract No. and date
  - b) Name and address of the consignee
  - c) Name and address of the supplier
  - d) Brief description of goods
  - e) Gross weight and outer dimension of the package
  - f) Country of origin of goods
  - g) Packing list reference No., and
  - h) Any other requirement, relevant to the contract

## **10. Deliver of Goods**

- 10.1 Deliver of the goods shall be made by the supplier in accordance with the terms specified by the purchase in the notification of award and in the contract

10.2 For the Purchases of the contract , “FIB”, “ CIF”, “CIP” and other trade terms used to the described the obligations of the parties shall have the meaning assigned to them in the current edition of the “Incoterms” which are international commercial shipping terms published by international Chamber of Commerce, Paris, France.

### **11. Transportations**

11.1 Where the supplier is required under the contract to deliver the goods F.O.B., transportation of the goods, up to and including the point of putting the goods on board the vessel at the specified port of loading, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

11.2 Where the supplier is required under the contract to deliver the goods C.I.F., or C.I.P. transportation of the goods to the port of destination or such other specified place of destination in India, as shall be mentioned in the contract, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

11.3 Where the supplier is require under the contract to deliver the goods CIF or CIP within India, the supplier shall arrange the shipment by Indian flag vessels or vessels belonging to Conference lines in which India is a member.

Where the supplier is required under the contract to deliver the goods F.O.B. and also to arrange on behalf and at the expense of the purchaser for ocean transportation on Indian flag vessels or vessels of Conference Line in which India is a member country, the supplier may arrange for such transportation on alternative carriers also, if the Indian flag vessels or Conference Line vessels are not available to transport the goods within the time frame specified in the contract. However, before arranging such alternative transportation, the supplier shall obtain prior concurrence of the purchaser for the same.

11.4 The supplier shall not arrange part-shipment and/or transshipment without the prior written consent of the purchaser.

11.5 In case the supplier violates any of the aforementioned instruction, the supplier shall be liable for all consequences (Including financial loss) that the purchase may face to such violations.

### **12. Insurance**

12.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and deliver as indicated below in this clause (viz. GCC clause 12).

12.2 Where delivery of the goods is required by the purchaser on C.I.F or C.I.P. basis, the supplier shall arrange and pay for the cargo insurance, naming the purchase as the beneficiary. Where delivery is on F.O.B. basis the insurance shall be responsibility of the purchase.

### **13. Distribution of dispatch documents**

13.1 The shipping and other documents as well as dispatch details to be furnished by the supplier to the purchaser and/or to the purchaser’s nominated authority to enable the purchase and/or its nominated authorities to clear/or accept the goods will demand on the mode of dispatch of the goods and the terms of deliver, as specified in the Schedule of Requirements and in the contract and subject to the same and in the contract and subject to the same, the instructions in this regards will be as indicated below:-

#### **a) For goods supplied from abroad :-**

Within 24 hours of shipment, the supplier shall notify the purchaser and its nominated authorities (as specified in the contract) and the insurance company by cable or telex or fax, the full details of the shipment including contract number, description of goods, quantity, the vessel, the bill of lading number and date/airway bill number and date, port of loading, date of shipment, port of discharge, expected date of arrival at the port of entry etc. Further, the supplier shall also immediately dispatch by registered airmail the specified number of copies of the following documents to the above authorities

- i Supplier invoice showing contract number, description of goods, quantity, unit price and total amount;
- ii Original and copies of the negotiable clean, on-board bill of lading market freight to pay and copies of non-negotiable bill of lading;
- iii Copies of packing list identifying the contents of each package;
- iv Insurance certificate;
- v Manufacture's / Supplier's warranty certificate;
- vi Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency (if so specified) and the supplier's factory inspection report; and
- vii Certificate of origin.

The above documents shall be received documents shall be received by the purchaser and other authorities mentioned above at least one week before the arrival of goods at the port or place of arrival and if not received will be responsible for any consequent expenses.

**b) For goods supplied from within India**

Within 24 hours of dispatch of the goods, the supplier shall notify the complete dispatch details to the purchaser and/or the purchaser's nominated authorities (as specified in the contract) and the insurance company. The supplier shall also mail the specified number of copies of the following documents to them:-

- i The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount;
- ii Railway receipt or Delivery note;
- iii Packing list identifying contents of each package;
- iv Insurance certificate;
- v Manufacture's / Supplier's warranty certificate;
- vi Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency (is so specified) and the supplier's factory inspection report; and
- vii Certificate of origin.

The purchaser shall receive the documents at least one week before the arrival of the goods (except where it is handed over to the consignee with all the documents) and if not received, the supplier will be responsible for any consequent expenses.

The documents to be provided by the supplier for claiming payment are specified in GCC clause 17 ("Payment").

**14. Incidental services**

14.1 The purchaser may include in the contract any or all the following services and/or some additional services, if specified in the **Schedule of Requirements** and the supplier is required to provide the same:

- a) Performance of supervision of on-site assembly and/or start up of the supplied goods,
- b) Furnishing of tools required for assemble and/or maintenance of the supplied goods,
- c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods,
- d) Performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed to by the parties, provided that this services shall not relieve the supplier of any warranty obligations under the contract, and
- e) Training the purchaser's personnel at the supplier's plant and/or in assembly, start-up, operation, maintenance and/or repair of the supplied goods.

14.2 Prices changed by the supplier for the above mentioned incidental services, if not included in the quoted price for the goods, shall be quoted separately in the bid itself and shall not exceed the prevailing rated, charged to other parties by the supplier for similar services.

**15. Spare Parts**

- 15.1 Prices charged by the supplier for the above mentioned incidental services, if not included in the quoted price for the goods, shall be quoted separately in the bid itself and shall not exceed the prevailing rates, charged to other parties by the supplier for similar services.
- a) Such spare parts as the purchaser may elect to purchase from the supplier, provide that this will not relieve that supplier of any warranty obligations under the contract, and
  - b) In the event of termination of production of the spare parts:-
    - i Advance notice to the purchaser of the pending termination in sufficient time to permit the purchaser to procure requirements, and
    - ii Immediately following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the parts, if requested.
- 15.2 Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare for the goods. Other spare parts and components shall be supplied as promptly as possible but in case within three months of placement of order and opening the letter of credit.

## **16. Warranty**

- 16.1 The supplier warrants that the goods supplied under the contract is new, unused of the most recent of current model and incorporate all recent improvement in design and material unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, material (except when the design adopted and/or the material used are as per the purchaser's specification) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.
- 16.2 This warranty shall remain valid for 12 (twelve) months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract or for 18 (eighteen) months from the date of dispatch from the supplier's work for domestic goods or for 21 (twenty one) months after the date of shipment from the port or place of loading in the source country for imported goods, whichever is earlier, unless specified otherwise in the **Schedule of Requirements**.
- 16.3 The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.
- 16.4 Upon receipt of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the Schedule of Requirement and the Contract), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter.
- 16.5 In the event of any correction of a defective or replacement of any defective material during the warranty for the corrected/replaced material shall be extended to a further period of 12 (twelve) months from the date, such corrected/replaced material starts functioning to the satisfaction of the purchaser.
- 16.6 If the supplier having been notified, fails to remedy the defect(s) within a reasonable period (or within the period, if specified in the Schedule of Requirement and the contract), the purchaser may proceed to take such remedial action as may be necessary at the supplier's risk and expenses and without prejudice to any other right, which the purchaser may have against the supplier, under the contract.

## **17. Payment**

- 17.1 The Payment shall be made in the currency/currencies specified in the contract. The supplier shall send its claim (with relevant documents, as required) to the appropriate paying authority as specified in the Schedule of Requirement and the contract. Before claiming any payment the supplier shall ensure that all the contractual obligations for claiming that payments have been duly fulfilled.

17.2 The payment shall be made in the following manner and on production of the following documents:-

A Payment for goods supplied from abroad:-

i On shipment:-

90 % of the contract shall be paid through irrevocable letter of credit established in favour of the foreign supplier in a scheduled commercial bank in India or a bank in the supplier's country acceptable to the purchaser, upon submission of the following documents:-

- a) Certified copy of the fax sent by the supplier to the purchaser and others as per GCC sub-clause 10.3(a).
- b) Supplier signed commercial invoice showing contract number, description of the supplied goods, corresponding quantity, unit price and the total value and names(s) of the consignee(s) for the supplied goods.
- c) Original clean on board bill of lading marked freight pre-paid consigned to the interim/port consignee evidencing description of the goods, quantities, relevant details about the contract number, etc.
- d) Packing list, identifying contents of each package.
- e) Insurance policy or certificate in duplicate endorsed in blank with claims payable in India in the currency of the Letter of Credit.
- f) Manufacture's/supplier's warranty certificate and supplier's factory inspection report.
- g) Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified.
- h) Certificate of origin.
- i) Supplier's certificate confirming that the required documents have been sent to all concerned in the terms of GCC sub-clause 10.39a).
- j) Supplier's Certificate confirming that the amount shown in the invoice are correct in terms of the contract and that all the terms and conditions of the contract have been complied with for claiming this payments.
- k) Any other document(s) and/or modification of above documents specified in the schedule of requirement of the contract.

ii **On final acceptance:**

10% of the contract price of goods received shall be paid within 30 (thirty) days of receipt of goods on submission of the claim supported by the acceptance certificate issued by the purchaser's nominated representative.

iii **Payment of agency commission:**

Payment shall be made in India rupees within 30 (thirty) days of presentation of claim supported by a certificate from the purchaser confirming that the goods have been delivered, full 100% payment has been made to the foreign supplier and all other contractual obligations have been performed by the supplier and its agent for claiming this payments.

This payment (towards agency commission) will be made by the purchaser's paying authority specified in the contract and not through letter of credit.

B Payment for goods supplied from India:

Payment shall be made in Indian rupees by the purchaser's paying authority, as specified in the contract (and not through Letter of Credit) in the following manner:

- i On deliver 90% of the contract price shall be paid on receipt of the goods by the consignee. Installation and upon submission of following documents to the paying authority:
  - a) The supplier's invoice showing number, description of goods, quantity, unit price and the total amount;
  - b) Railway receipt or delivery note;
  - c) Packing list identifying content of each package;
  - d) Insurance certificate;

- e) Manufacture's/Supplier's warranty certificate;
- f) Pre-despatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified and the supplier's factory inspection report;
- g) Certificate of origin;
- h) Provisional receipt certificate for the corresponding deliver, issued by the consignee; and
- i) Any other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract

ii **On final acceptance:**

The remaining 10% of the contract price shall be paid to the supplier within 30 (thirty) days of receipt of its claim, duly supported by the final acceptance certificate for the corresponding delivery issued by the purchaser's representative in the proforma given in section ..... of the bidding documents.

C Payment for incidental Services and supervision:-

Incidental services an supervision, if required separately will be specified in the Schedule of Requirements and in the contract. The payment terms applicable for such services and supervision will also be specified therein.

17.3 Operation of the Letter of Credit:-

- i The payments effected through letter of credit, shall be subject to the latest Uniform, Customer and Practice for Documentary Credit of the International Chamber of Commerce;
- ii If requested specifically by the supplier, the letter of credit will be confirmed but the cost for the same shall be charged to the supplier's account;
- iii If the letter of credit is required to be extended/reinstated for reasons not attributable to the purchaser, the charges thereof shall be the supplier's account.

**18. Prices**

18.1 Prices charged by the supplier for the goods supplied and the services performed under the contract shall not vary from the prices quoted by the supplier in its bid with the exception of any price adjustment authorized in the **Schedule of Requirements**.

**19. Modification of contract**

19.1 The Purchaser may at any time, by a written order given to the supplier pursuant to GCC clause 31, make changes and modification within the general scope in any one or more of the following:-

- a) Drawing, design or specifications, where goods to be supplied under the contract are to be specifically manufactured for the purchaser,
- b) The mode of packing,
- c) The mode of dispatch,
- d) The place of delivery,
- e) The services to be provided by the supplier, and/or
- f) Any other area(s) of the contract, depending on the merits of the case.

19.2 If any such change causes an increase or decrease in the cost of, or in the time required for the supplier's performance of any provision under the contract, an equitable adjustment shall be made in the contract price or contract delivery schedule or both and the contract shall be amended accordingly. Any claim by the supplier for adjustment under this clause must be asserted within 21 (twenty one) days from the date of the supplier's receipt of the purchaser's amendment/modification of the contract.

19.3 Subject to GCC sub-clauses 19.1 and 19.2, no variation in or modification of the terms of the contract shall be made expect by written amendment signed by both the parties.

**20. Assignment**

20.1 The supplier shall not assign in whole or in part, its obligations to perform under the contract, expect with the purchaser's prior written consent.

## **21. Sub-Contracts**

- 21.1 The supplier shall notify the purchaser in writing of all sub-contract awarded under the contract, if not already specified in its bid. Such notification, in its original bid or later, shall not relieve the supplier from any liability or obligations, whatsoever under the contract.
- 21.2 Sub-contract shall be only for bought-out items and sub-assemblies.
- 21.3 Sub-contracts must comply with the provisions of GCC clause 3.

## **22. Delays in the supplier's performance**

- 22.1 Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser in the “**Schedule of Requirements**”.
- 22.2 Except as provided under GCC clause 25, any unexpected delay by the supplier in maintaining its contractual delivery obligations shall render the supplier liable to any or all the following sanctions:-

Imposition of liquidated damages,  
Forfeiture of its performance security and/or  
Termination of the contract for default.

- 22.3 If at any time during the performance of the contract, the supplier or its subcontractor(s) should encounter conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly notify the purchase in writing of the fact of the delay, its likely duration and its clause(s). After the receipt of the supplier's notice, the purchaser, as soon as practicable, shall evaluate the situation and may at its discretion extended the supplier's time for performance, in which case the extension of the delivery period shall be ratified by issuing the amendment to the contract.
- 22.4 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before despatch. In case the supplier dispatches the goods without obtaining an extension, it would be doing so as its own risk and no claim for payment for such supply and/or any other expense related to such shall lie against the purchaser.

## **23. Liquidated damages**

- 23.1 Subject to GCC clause 25, if the supplier fails to deliver any or all the goods or perform the service within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidate damages, a sum equivalent to 0.5% (half percent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance, up to a maximum deduction of 10% (ten percent) of the delayed goods or services contact price. Once the maximum is reached, the purchaser may consider termination of the contract, if the same have not been terminated already.

Further, during the above mentioned delayed period of supply and/or performance, the supplier, notwithstanding any stipulation in the contract for increase in price for any ground, shall not be entitled to any increase in price and cost, whatsoever which take place during the period of delay. But, nevertheless, the purchaser shall be entitled to the benefit any decrease in price and cost on any ground during that period of delay.

## **24. Termination for default**

- 24.1 The purchaser, without prejudice to any remedy for breach of contract, may by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all the goods or fails to perform any other contractual obligation(s) within the same period specified in the contract on which any extension thereof granted by the purchaser pursuant to GCC clause 22.
- 24.2 In the event the purchaser terminates the contract in whole or in part, pursuant to GC sub-clause 24.1, the purchaser may procure upon such terms and conditions and in such manner as it deems appropriate, goods and/or services similar to those undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods and/or services. However, the supplier shall continue to perform the contract to the extent not terminated.

## **25. Force Majeure**

- 25.1 Notwithstanding the provisions of GCC clauses 22, 23 and 24, the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for defaults, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 25.2 For Purchase of this clause, “Force Majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to acts of the purchaser in its sovereign capacity wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 25.3 If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the causes thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligation under the contract as far as reasonable practical and shall seek all reasonably alternative means for performance not prevented by the Majeure event.

## **26. Termination for insolvency**

- 26.1 If the supplier becomes bankrupt or otherwise insolvent, the purchaser may terminate the contract by giving written notice to the supplier, without any compensation to the supplier providing that such termination will not prejudice or affect any right of action or remedy which has accrued and/or will accrue thereafter to the purchaser.

## **27. Termination for convenience**

- 27.1 The purchaser by written notice sent to the supplier, may terminate the contract in whole or in part at any time for its convenience. The notice of termination shall specify that the termination is for the purchaser’s convenience, the extent to which performance of the supplier under the contract is terminated and the date with effect which such termination become effective.

The goods that are completed and ready for shipment within 30 (thirty) days after supplier’s receipt of notice of termination shall be accepted by the purchase at the fact terms and prices.

The remaining goods, the purchaser may elect:

- a) To have any portion completed and delivered at the contract terms and prices; and/or
- b) To cancel the remainder and pay to the supplier an agreed amount for partially completed goods and services and for material and parts already procured by the supplier for fulfilling the contractual obligations

## **28. Resolution of disputers**

- 28.1 If any dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make very effort to resolve the same amicably by mutual consultations.
- 28.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other



party of to intention to commence, arbitration, as hereinafter provided, as to the matter in dispute and no arbitration in respect of this matter may be commenced unless the notice is given.

28.3 Any dispute of difference, in respect of which a notice of intention to commence arbitration has been given in accordance with GCC sub-clause 28.2 shall be finally settled by arbitration. Arbitration may be commenced prior to after delivery of the goods under the contract.

28.4 The dispute resolution mechanism to be applied pursuant to GCC sub-clause 28.3, shall be as follows as:-

a) In the case of dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such dispute or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of three arbitrators, one each to be appointed by the purchaser and the supplier. The third arbitrator shall be chosen by the two arbitrators so appointed by the parties and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of thirty days from the appointment of the arbitrator appointed subsequently, the presiding arbitrator shall be appointed by the Indian Council of Arbitration or President of the Institution of Engineers (India).

b) The Decision of majority of arbitrators shall be final and binding upon both the parties.

c) The cost and expenses of the arbitration proceedings will be paid as determined by the arbitral tribunal, the expenses incurred by each party in connection with the preparation, presentation, etc., of its proceedings as also fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

28.5 However, where the value of the contract is Rs.15 lacks (Rupees one and a half million) and below the disputes or differences arising in it shall be referred to a sole arbitrator. The sole arbitrator shall be appointed by mutual agreement between the parties. If the parties fails to agree on the arbitrator within 30 (thirty) days from the receipt of a request by one party from the other party to so agree, the appointment shall be made upon request of a party, by the Indian Council of Arbitration or the President of the Institution of Engineers (India).

28.6 The venue of arbitration shall be the place from where the contract is issued.

## **29. Governing language**

29.1 The contract shall be written in English language. All corresponding and other documents pertaining to the contract which the parties exchange, shall also be written in English.

## **30. Applicable law**

30.1 The Contract shall be interpreted in accordance with the laws of India.

## **31. Notices**

31.1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by cable telex or facsimile and confirmed in writing to the address specified in the **Schedule of Requirements**.

31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## **32. Taxes and duties**

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fee and other such levies imposed outside India.

32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted goods to the purchaser.

32.3 Further instruction, if any, shall be as provided in the **Schedule of Requirement**.

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**Part – 1 of Schedule of Requirement (Section – IV)**

**Schedule – 1**

SL. No	Brief description of goods	Accounting unit	Quality	Delivery schedule
	<b>DETAILS ENCLOSED IN SCHEDULES SEPARATLY</b>			

**AMOUNT OF BID SECURITY: Furnished in schedules separately.**

**Note:**

(While indicating the brief description of goods, there may be some allied services also required such as installation, commissioning, training etc., Each of the service required may be indicated below for the bidder to quote his specific rate for the service. The Corresponding time schedule for commencement and completion of such service should also be indicated. The reference should also be drawn to the corresponding detailed specifications and other quality control requirements, to be provided under section-V. Scope of additional incidental services, if required, is also to be listed here if the SBD contains more than one schedule, each schedule should be projected separately under separate sheets. Corresponding specification and other technical details should also be provided in separate sheets accordingly, under section-5.

**SECTION – VI  
QUESTIONNAIRE**

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARK “NOT APPLICABLE”. BIDDER MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND/OR ARE EVASIVE, THE BID WILL BE LIABLE TO BE IGNORED.

- 1 Bid No .....Date for bid opening on.....
- 2 Offer is open for acceptance: .....
- 3 Brand of goods offered: .....
- 4 Name & address of manufacturer: .....
- 5 Station of Manufacture: .....
- 6 What is your permanent income Tax A/C No.: .....
- 7 Confirm whether you have attached your latest/ current ITCC or certified photocopy thereof
- 8 Status
  - (a) Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D) for the item(s) quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (b) Are you a small scale unit currently registered with the National Small Industries Corporation (NSIC) under Single Point Registration Scheme for the item(s) quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (c) If you are registered either with NSIC or DGS&D please state whether you are currently registered with Directorate of Industries of the State Government concerned. If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (d) Are you registered under the Indian Companies Act, 1956 or any other Act?  
Please attach certificate copy (copies) of the relevant registration certificate(s) in confirmation to your above answer(s).
- 9 Please indicate :-  
Name & full address of your Banker(s):
- 10 Whether you are :
  - i Manufacturer of the goods quoted, or
  - ii Manufacturer’s authorized agent for those goods.
- 11 State whether business dealing with you has been currently banned by any Ministry / Dept. of Central Govt. or any State Govt.

Signature of Witness

Signature of Bidder

Name & address of Witness

Full name, designation & address of the person signing above

For and on behalf of Mssrs.

.....

(Name and address of the bidding form)

**SECTION VII/1  
BID FORM AND PRICE SCHEDULES**

Date .....

To,

.....  
.....  
.....

(designation and address of the purchaser)

Ref. your bidding documents No. .... Dated .....

Having examined the above mentioned bidding documents, including addenda Nos. ....(if any), the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver ..... (*description of goods and services* ) in conformity with the said bidding documents for the sum as shown in the price schedules attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods and complete the services in accordance with the delivery schedule specified in the Schedule of Requirement after fulfilling all the applicable requirement incorporated in the above referred bidding documents.

If our bid is accepted, we will provide you with performance security as per the instructions specified in GCC clause 7 and in a form acceptable to you in terms of GCC clause 7.5 for a sum equivalent to 10% (ten percent) of the contract price for the due performance of the contract.

We agree to abide by this bid for the bid validity period specified in the ITB clause 15 (read with modification, if any, in the Bid Data Sheet) or for the subsequently extended period, if any, agreed to by us and it shall remain bidding up on us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid together with your written acceptance thereof and your notification of award, shall constitute a bidding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this ..... day of ....., 200.....Signature

(in the capacity of)

Duly authorized to sign bid for and on behalf of

**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN  
LOCATED WITHIN INDIA**

1	2	3	4	5					6	7	8
				Price per unit							
Schedule No.	Item description	Country of origin	Accounting unit & Quantity	Ex-factor / warehouse / ex-showroom off-the-shell	Excise duty if any	Packing & forwarding charges	Insurance, other duties and taxes, if any (other than sales tax) and incidental costs	Incidental services (Including super vision)	Overall unit price	Total price	Sales tax payable, if contract is awarded
				(a)	(b)	(c)	(d)	(e)	(f)	[a+b+c+d+e+f]	3x6

Total bid price in Rupees : (in figure) .....  
: (in words) .....

Signature of bidder  
Name  
Business address

Place :

Date :

**Note :**

- i In case of discrepancy between unit price and total price, the unit price shall prevail.
- ii If nothing to the contrary to this effect is mentioned under Section VII (Technical Specification and Quality Control Requirement), the bidder shall give list of spare parts for two years operation separately indicating description, quantity, unit price and total price in the above format for those items whose scope of supply includes spare parts as per 'Technical Specifications' give in Section VII.

**PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5				6	7	8	9	10
				Price per unit								
Schedule No.	Item description	Country of origin	Accounting unit & Quantity	Unit price FOB port of loading	Unit price CIF at port of entry	Inland transportation charges, insurance and other incidental to delivery, if specified	Incidental services including supervision	Overall unit price	Total price	Indian agent's name	Indian agent's commission as a % of FOB price included in the quoted price	Shipment weight and volume
				(a)	(b)	(c)	(d)	[b+c+d]	4x6			

Total bid price in foreign currency : (in figures) .....  
 : (in words) .....

Signature of Bidder  
 Name  
 Business address

Place:  
 Date:  
 Note:

## **SECTION VII/2**

### **BANK GUARANTEE FORM FOR BID SECURITY**

- i In case of discrepancy between unit price and total price, the unit price shall prevail.
- ii If nothing to the contrary to this effect is mentioned under Section VII (Technical Specification and Quality Control Requirement), the bidder shall give list of spare parts for two years operations separately indicating description quantity unit price and total price in the above format for those items whose scope of supply includes spare parts as per 'Technical Specifications' give in Section VII.
- iii Indian agent's commission shall be paid in Indian Rupees only. No change due to exchange variation shall be allowed.

**SECTION VII/2**

**BANK GUARANTEE FORM FOR BID SECURITY**

Whereas ..... [name of bidder] [hereinafter called “the bidder”] has submitted his bid dated.....[date] for the supply of .....(brief description of the relevant goods and services) (hereinafter called “the bid”)

KNOWN ALL PEOPLE by these present that WE ..... (name of the bank) having registered office at ..... (full address) (hereinafter called “the bank”) are bound up to ..... (name of this purchaser) (hereinafter called “the purchaser”) in the sum of ..... (amount in figure and in words) for which payment well and truly be, made to the said purchaser, the bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said bank this..... Day of ..... 20.....

THE CONDITIONS of this obligation are:

- 1 If the bidder
  - i withdraws its bid during the period of bid validity specified by the bidder on the bid form; or
  - ii does not accept the correction of errors in accordance with the Instruction to Bidders.

OR

- 2 If the bidder, having been notified of the acceptance of its bid by the purchaser during the period of bid validity:
  - i fails or refuse to execute the contract form, if required; or
  - ii fails or refuses to furnish the performance security, in accordance with the instructions to Bidders;

we undertake to pay the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both the above mentioned two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 60 (sixty) days after the period of bid validity and any demand in respect thereof should reach the bank not later than the above date.

Signature of the Bank

SEAL of the Bank

Date.....

Place.....



**SECTION VII/3  
MANUFACTURER'S AUTHORISATION FORM**

To,  
.....  
.....

*(Name and address of the purchaser)*

Dear Sirs,  
Ref. your Bidding Documents No.....

We, ..... Who are established and reputable manufacturers of ..... *(Name and description of the goods offered in the bid)* having factories at ....., hereby authorize Messrs ..... *(name and address of the agent)* to submit a bid, negotiable (as and if necessary) and conclude the contract with you against your above mentioned Bidding Documents for the above goods manufactured by us.

No company or firm or individual other than Messrs. .... *(Name and address of the above agent)* is authorized to bid, negotiable and conclude the contract against this specific Bidding Document for the above-mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply against this Bidding Document by the above firm.

Yours faithfully  
.....  
.....  
[Signature, name and designation]

for and on behalf of Messrs.....  
[Name & address of the manufacturers]

Note: This letter of authorization should be on the letterhead of the manufacturing firm and should be signed by a person competent and having power of attorney to legally bind the manufacturer.

**SECTION VII/4**

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

To,

.....

.....(name & address of the purchaser)

WHEREAS ..... (*Name and address of the supplier*) (*Hereinafter called "the supplier"*) has taken, in pursuance of contract No. .... Dated ... to supply ..... (*Description of goods and services*) (*Hereinafter called "the Contract"*).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognized bank acceptable to you, for the sum specified therein as security for compliance with its (supplier's) obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantee and responsible to you, on behalf of the supplier, up to a total of ..... [*amount of the guarantee in words and figures*], such sum being payable in the types and proportion of currencies in which the contract price is payable, and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limit of [amount of guarantee] aforesaid, without your needing to prove or to show ground or reason for your demand or the sum specified therein.

We further undertake to pay you the sum so demanded notwithstanding any dispute or disputes raised by the supplier in any suit or proceedings pending before any court or tribunal relating thereto liability under this present being absolute and univocal.

We also hereby waive the necessity of your demanding the said amount from the supplier before presenting us with the demand.

We further agree that you shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the contract or to extend the time of performance by the supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the supplier and to forbear or enforce any of the terms and conditions relating to the contract and we shall not be relieved from our liability under this guarantee.

This guarantee shall be valid and shall remain in force until .....day ... 20 .....

Dated the .....day of .....20...

For .....  
(*Name of the Bank*)

Signature .....  
Name of the officer.....

(In Block letters)

Designation of the officer .....

Code No. ....

Name of the Bank & full address

