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NOTICE INVITING EXPRESSION OF INTEREST FOR VARIOUS TYPES OF SIMULATORS FOR DEFENCE APPLICATIONS

EOI REFERENCE NUMBER DE/ESD/EOI/SIM/ADVT

This document contains 20 pages

BHARAT HEAVY ELECTRICALS LIMITED

ELECTRONICS SYSTEMS DIVISION

INVITES EXPRESSION OF INTEREST FROM OEMs FOR TRANSFER OF TECHNOLOGY / BUSINESS SHARING AGREEMENT FOR SIMULATORS FOR DEFENCE APPLICATIONS

CONTACT PERSON AND SCHEDULE OF EVENTS

Contact Person

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Schedule of Events

Last date for receipt of responses from prospective technology partners: 30th May 2014, 16:30 HRS, Indian Standard Time

All corrigenda, addenda, amendments, clarifications, time extensions etc. related to this EoI will be hosted on www.bhel.com and www.bheledn.com

Mode of Submission of Documents

In sealed cover to the contact person / mail to the e-mail ID so as to reach on or before the date and time mentioned above. The cover shall be super scribed with EOI Reference number and the words "Expression of Interest – Simulators for Defence Applications". In case of offer by e-mail, the words "Expression of Interest –Simulators for Defence Applications" shall be in the Subject field of the e-mail.

In case of submission through e-mail, hard copy shall be enclosed along with printout of the mail and sent to the contact person so as to reach on or before 7th June 2014, 16:30 HRS, Indian Standard Time. In case of email size restrictions, the primary EOI shall be sent by email and the full hardcopy shall be sent by reliable method to reach on or before 7th June 2014, 16:30 HRS, Indian Standard Time. Courier or postal details may be sent by email.

EXPRESSION OF INTEREST FOR TRANSFER OF TECHNOLOGY/ BUSINESS SHARING AGREEMENT UNDER PHASED MANNER FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING, MAINTAINING AND TRAINING FOR SIMULATORS FOR DEFENCE APPLICATIONS

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SECTION - 1

EXPRESSION OF INTEREST

1.1 ABOUT BHEL

Bharat Heavy Electricals Limited (BHEL) **(www.bhel.com)**, a Government of India Undertaking, is an integrated power plant equipment manufacturer for both the Indian and export markets. It is one of the largest engineering and manufacturing enterprises in India with annual revenue of over INR 500 Billion (US$ 9 Billion).

Established in 1964, BHEL is India's largest engineering and manufacturing company of its kind engaged in the design, engineering, manufacture, construction, testing, commissioning and servicing of a wide range of products and services for the core sectors of the economy, viz. Power, Transmission, Industry, Transportation, Renewable Energy, Oil & Gas and Defence. With widespread network of 17 manufacturing units, two repair units, four regional setups, eight service centers, eight overseas offices, 15 regional centers, seven joint ventures and infrastructure to execute more than 150 project sites across India & abroad, BHEL provides products, systems and services to customers efficiently and at competitive prices. The high level of quality & reliability of our products is due to adherence to international standards by acquiring and adapting to some of the best technologies from leading companies in the world including General Electric Company, Alstom SA, Siemens AG and Mitsubishi Heavy Industries Ltd., together with technologies developed in our own R&D centers.

1.2 ABOUT ELECTRONICS DIVISION & ELECTRONICS SYSTEMS DIVISION

Electronics Division (EDN) **(www.bheledn.com)** along with its Electronics Systems Division is situated in Bangalore is a leading supplier of new generation power plant, automation and control systems. EDN has also emerged as a leading player in the field of power transmission and distribution, industry, transportation and renewable energy sources. The state of the art equipment and systems manufactured meet the demanding requirement of both the national and international markets in terms of technical specifications and quality.

This Division has established references both in India and overseas by successful installation of power plant automation and photo voltaic systems. Besides providing unified solutions for various control systems application, EDN proudly holds the largest market share for power plant automation systems in India. Further, it has been accredited with Quality Management Systems (ISO 9001), Environmental Management Systems (ISO 14001), Occupational Health & Safety Management Systems (OHSAS 18001) and ISMS (ISO 27001) certifications.

Electronics System Division (ESD) which is a part of EDN, is located at Electronic City, Hosur Road, Bangalore has an area of 12.4 acres. Presently the unit

manufactures Defence Electronics Products, Control Equipment for power plants and Naval automation, Space batteries and Solar Space panels. Defence Electronics Group which operates from ESD has executed a number of projects relating to Simulators for Defence applications like Infantry Weapons Effects Simulation System (IWESS), Small Arms Training Simulator (SATS) and Tactical Training Simulators for T-72 Tanks etc.

Presently ESD is engaged in design and supply of IPMS (Integrated Platform Management System) for Naval Ships. Auxiliary Control System (ACS) for P15A Destroyer Class of Ships and IPMS for P71 Indigenous Aircraft Carrier are the present contracts which are under execution.

1.3 BHEL's EXPERIENCE IN SIMULATORS FOR DEFENCE APPLICATIONS

The Defence Electronics group at ESD was formed in 1988, as part of BHEL's diversification plan. Since then the following Simulators have been supplied to Indian Army and various Para-Military forces.

- SIMFIRE MK II ER Simulator For Vijayanta Tanks
- Infantry Weapon Effects Simulation System (IWESS)
- Small Arms Training Simulator (SATS)
- SIMFIRE Tactical Simulator For T-72 Tanks

1.4 EXPRESSION OF INTEREST (EOI)

BHEL proposes to design, manufacture, test, supply, commission and maintain various Simulators for Defence Applications from ESD which is part of its Electronics Division (EDN). This EOI is published for seeking responses from Original Equipment Manufacturers (OEMs) who are willing to be associated with ESD to enable it to meet the above objective. This association and partnership will be based on Transfer of Technology or Business sharing agreement. The business association shall also be governed by Indian MOD's Defence Procurement Procedures 2013 and its offset policy and subsequent amendments issued from time to time.

1.5 A COLLABORATIVE APPROACH

BHEL intends to have a long term association with the prospective technology partner to enable it to promote and bid for Simulators for Defence applications.

BHEL-ESD proposes to have an association with OEMs with reference to technology transfer in a phased manner in the areas of Simulators for Defence Applications.

1.6 BUSINESS MODEL

BHEL proposes to have an association with the Respondent (i.e. prospective technology partner) with reference to ToT and/or BSA as per any of the business models suggested below. The Respondent to indicate the business model proposed to be adopted in response to this EOI, as per Section-5, Sl. No. 5. The Respondent shall be responsible to the Customer for the design, procurement of components and sub-systems, overall system integration, testing, commissioning and also shall be responsible for the successful Acceptance (including field trials), guarantee and warranty obligations & long term support.

1.6.1 Transfer of Technology (ToT)

In the Transfer of Technology model, the Respondent shall be willing to transfer the technology to BHEL for design, procurement of components/sub-systems, manufacture, inspection, testing, commissioning, trouble shooting, servicing/maintenance, quality assurance methods, training, etc., for the complete Simulation including hardware and software. The ToT agreement may provide for an initial disclosure fee and/or royalty for the technology transferred. BHEL also may enter into a separate purchase agreement for sourcing of components/sub-assemblies/systems that are covered in the ToT.

1.6.2 Business Sharing Agreement (BSA)

In the BSA model, the Respondent shall offer/ develop / customize a Simulator in association with BHEL to meet Customer requirements. BHEL shall procure the simulators in a phased manner (CBU and/or SKD/CKD kits) from the Respondent. All the information related to design, manufacture, inspection, testing, commissioning, trouble shooting, servicing/maintenance, quality assurance methods, training, etc., for the complete simulation system including hardware and software will be shared with BHEL in a phased manner. No separate charges/fees/cost shall be payable for sharing this information/association.

1.7 TYPICAL REQUIREMENTS

Indicative Typical requirements of various Simulators for Defence Applications, is covered in Section – 2. However, the Respondent is requested to provide detailed specifications to achieve the objective of ToT.

1.8 METHODOLOGY OF BUSINESS ARRANGEMENT BETWEEN BHEL AND PROSPECTIVE TECHNOLOGY PARTNER

Simulators for Defence Applications comprise of 2 types of items:

A. Items in the manufacturing range of the prospective technology partner and manufactured at their works or at their sub-contractors' works, either at a single location or at multiple locations for which technology has to be provided for the entire product life cycle to BHEL.

B. Items other than (**A**) above to be procured by BHEL-ESD. The specifications for these items are to be given by the prospective technology partner.

C. Items bought-out by the prospective technology partner for integration: For these items, complete technical details to be provided by the partner including acceptance crieteria and type tests specifications etc.

In all the above cases, any customization required has to be mutually worked out on case to case basis.

1.8.1 Typical Arrangement

The prospective technology partner shall be the Technology leader and shall indicate in their response to this EOI the proposed arrangement for transfer of technology to BHEL-ESD along with the milestones and time frame.

This shall however be mutually discussed considering the long term support implications at the time of entering into a final agreement.

1.8.2 Information Sharing

In response to the EOI, the prospective technology partner shall clearly state his willingness to share the following with BHEL-ESD.

a. Provide marketing support and assist in the bidding process to receive maximum business

b. Engineering information and selection criteria of all bought-out components.

c. Complete Technical documentation for manufacture of various PCBs and sub-assemblies including processes employed, testing methods and source code of all software & firmware. The software must have provision for fine-tuning and customization to suit the end user's requirements.

d. Details of special purpose equipment for design platform, engineering platform, manufacture and testing.

e. Training and assistance in system design, manufacturing and testing of the equipment and software, know-how and know-why.

e. Support for commissioning and training of BHEL-ESD engineers and Customer Engineers for handling the equipment at site.

f. Technology upgrades including addressing of obsolescence issues covering all the above for a mutually agreed period.

g. A commitment has to be given by the prospective technology partner for long-term association with BHEL-ESD. The prospective technology partner shall forward details regarding methodology and duration for which they can provide support.

h. All equipment approvals have to be routed through BHEL-ESD, including the Detailed Design Documents and Quality Documents.

i. Exclusive rights to be given to BHEL to modify hardware/ software beyond partnership period, on no charge basis.

j. If any equipment needs Type Test (Environmental tests) the same shall be ensured for respective scopes.

k. The prospective technology partner shall provide details of all the standards followed for the hardware & software used in their products.

1.9 RESPONSE TO THE "EXPRESSION OF INTEREST" – (EOI)

BHEL-ESD will analyze the responses received towards this EOI to shortlist prospective technology partners.

A separate Request for Quotation (RFQ) along with detailed Technical and Commercial Specifications will be issued to these shortlisted technology partners for submitting Techno-Commercial and Price offers.

1.9.1 Qualifying Requirements

Only OEMs meeting the Qualifying Requirements (QR) as described in Section–3 may respond to this Expression of Interest and will be considered for further evaluation.

1.9.2 Checklist of Documents

The information required to be submitted along with the EOI by the interested OEMs are given in Section–5.

SECTION - 2

TYPICAL REQUIREMENTS FOR SIMULATORS FOR DEFENCE APPLICATIONS:

2.1 GENERAL REQUIREMENTS

Sl. No	Item Description	Requirement
GENERAL REQUIREMENTS / APPLICATION DATA		
1.	Various Types of Simulators	a) Unmanned Aerial Vehicle Mission Simulator b) BMP2 Integrated Missile Simulator c) Low Power Jammer Simulator d) Class Room Electronic Warfare Simulator System (CREWS) e) Tank Gunnery Simulator (T-72, T-90) f) Tank Driving Simulator (T-72, T-90) g) Infantry Weapon Training Simulator (IWTS). h) Combat Training Simulation System (CTSS) i) Anti-Tank Guided Missile (ATGM) Simulator j) Truck Driving Simulator k) Artillery Forward Observer Trainer l) Mortar Simulator m) Shoulder Fire Weapon Indigenous Simulator n) Advance Weapon Training Simulator o) Small Arms Training Simulator p) Simulators For Various Aircrafts And Helicopters q) Any other type of simulators such as engine/machinery control room for all types of defence vehicles, ships and submarines
2.	Application	For training
3.	Environmental Parameters	As Per JSS55555 or as applicable
4.	Catalogues	Prospective technology partner shall submit catalogues of the various types of Simulators being manufactured by them. These catalogues shall cover the entire range and include full details.

Brief specifications of some of the types of Simulators are furnished herein:

2.1.1. UAV Mission Simulator

UAV Mission Simulator is proposed to be used for the following:

a) Simulation of single, Air Data Relay (ADR) mission scenario, maritime scenario, with or without Satellite Communication (SATCOM) for single or multiple payloads.

b) Simulation of all phases of UAV mission as well as its payloads and to play pre-recorded missions with Annotations for analysis.

c) Training of Internal Pilot, External Pilot, Mission Commander and Observer in standalone mode and as coordinated crew of a mission.

d) Training on all types of UAV Emergencies.

e) Carryout student assessment.

UAV Mission Simulator should be capable of conducting initial and refresher training of External Pilot, Internal Pilot, Mission Commander and Observer with a separate console available to the Instructor.

2.1.2. BMP-2 Integrated Missile Simulator

The BMP-2 Integrated Missile Simulator is intended to practice and master the skills of ATGM, 30mm Cannon, 7.62mm PKT and 81mm Smoke Grenade Discharger system by BMP-2 Commander and Gunner. To ensure the same, simulator should replicate the turret station of BMP-2 to include various controls, sights and other electronics parts as akin to the real system as possible. Dummy breach block and ATGMs system could be provided to enhance realism of the Turret station environment. The simulator should provide simulation of terrain, targets, noises and various effects necessary to ensure complete missilery and Gunnery training of BMP-2

2.1.3. Low Power Jammer Simulator

Low Power Jammer Simulator will be a training aid operating in X band and KU band will be used for training Air Defence Radar Crews in tracking and engaging aerial targets in realistic electronic warfare environment. It should comprise of the following main sub systems:

a) X band tunable Low Power Jammer transmitter.

b) KU band tunable Low Power Jammer transmitter.

c) Remote control unit.

d) Generator.

2.1.4. Class Room Electronic Warfare Simulator System (CREWS)

CREWS should be a PC based Class Room Electronic Warfare Simulator Systems capable of generating complex radar signals, emitters and platform characteristics and creation of dynamic scenario events. It should comprise of the following:

a) One Instructor Console.

b) 12 Students Console.

c) Customised PCs and software package.

d) Local Area Network Linking computers.

e) Single gun projection system.

2.1.5. T90 Tank Gunnery Simulator

The simulator should be based on a design comprising of a computer generated image (CGI) (Provided these are realistic in Perception), a gunner's station and an instructor station. It should be based on state of the art microprocessor technology and should be modular in design. The simulator should be compact, self-contained and reliable. It should comprise the following:

a) Visual Systems

b) Gunner's Station

c) Instructor's Console

d) Sound Simulation System

e) TI Sight Mode

f) Future Upgrades

g) Uninterrupted Power Supply (UPS)

h) Servo Stabilizers

The gunnery simulator should provide realistic training on tank T-90 gunnery aspects so as to enable meaningful training to all recruits/ new gunners as well as preserve the precious warlike equipment.

2.1.6. T90 Tank Driving Simulator

The simulator should be based on a design comprising of a computer generated image (CGI) (Provided these are realistic in Perception), a gunner's station and an instructor station. It should be based on state of the art microprocessor technology and should be modular in design. The simulator should be compact, self-contained and reliable. The simulator should be compact, self-contained and reliable. It should comprise the following:

a) Visual System

b) Driver's Station

c) Motion System

d) Sound Simulation System

e) Instructor's Console

f) Future Upgrades

g) Uninterrupted Power Supply (UPS)

h) Servo Stabilizer

2.1.7. Infantry Weapons Training Simulator (IWTS)

The equipment is proposed to be used for training of recruits and soldiers of Indian Army, Indian Air Force and Indian Navy.

a) The simulator should be modular in design and constructed using COTS (Commercial off the Shelf) components. It should be stable, rugged and be able to withstand wear and tear.

b) Each simulator console should fit in a room size of maximum 12m x 9m X 3m. The equipment should be easily transportable by in-service Vehicles

c) It should simulate relevant near realistic customized visuals and live simulation project on a screen not less than 30' X 8'.

The IWTS should facilitate marksmanship training, exercising battle handling of weapon by individual and group of recruits and soldiers (up to a section i.e. minimum nine lanes) in tactical scenarios of conventional and unconventional operations while handling various Small Arms and related ammunition simultaneously to include in- service Pistol, Carbine, Rifle, Machine Gun, Sniper Rifle, Grenade Launcher and Rocket Launcher without major modification to the weapon.

2.1.8. Combat Training Simulation System (CTSS)

The CTSS is a laser and radio frequency based system used for battlefield simulation training. It realistically simulates the effects of battlefield conditions for armored vehicles, light vehicles, bunkers, fixed targets etc. The system uses eye-safe infrared Lasers. The system comprises of the following sub-systems

a) **Laser Transmitters:** Mounted on the weapons and on activation transmit infrared laser pulses, to simulate live-fire.

b) **Harness:** Worn by the soldiers or mounted on the Vehicles to detect the infrared laser pulses. It is integrated to a Control unit, GPS and a Communication Module. It records all the events and gives audio and/or video indications.

c) **Umpire Control Equipment:** Used for controlling the field exercise.

d) **Alignment Kit:** Used for aligning/zeroing the Laser Transmitter to the weapon sights.

e) **Exercise Control Center:** This is a centralized control system from which the entire exercise is live-viewed, controlled and recorded for debriefing and analysis. It consists of a few computers with dedicated application software and receiver-transmitter communication equipment.

f) **Integration Units:** The integration units shall enable integration between individual units taking part in an exercise (down to a soldier) and the exercise control.

g) **GPS Elements:** Every individual soldier /weapon system, A & B vehicles and arty Guns should have a position indicating element (GPS element) that along with the communication element will give the positional data to the exercise

h) **Communicating Element:** This should be strapped/integrated with every individual soldiers, weapon system & vehicles.

i) **Main Exercise Control Transponder and Field Transponder:** Main Exercise Control Transponder will transmit and receive SIMULATOR data as per exercise setting. It will cover the complete exercise area through additional field transponder in such a way that there is no dead ground in the entire area to which the system is blind.

2.1.9. Anti-Tank Guided Missile (ATGM) Simulator

ATGM Simulator is proposed for practice to the Pilot Gunner in mechanics of tracking a non-dynamic moving target without any facility of simulating the battle field conditions. The indoor & outdoor simulator proposed to be developed should enable a Gunner to practice the mechanics of Tracking & Engaging moving targets on projected terrain configuration in simulated battle field conditions with the Konkur Missile / improved version. Such simulation can be achieved by a computer and the view so generated, by a digitized projection system being interfaced with the ATGM launcher. Such a system would enable a Gunner to practice in selection, prioritizing, tracking and engaging a moving target under simulated battle field conditions, it should be possible to mount the simulator on to a suitable B vehicle.

2.1.10. Truck Driving Simulator

Truck Driving Simulator is proposed for imparting training on various Driving skills levels such as initial familiarization of vehicle controls, driving in a simple terrain, driving in city traffic, advanced driving maneuvers on difficult terrains etc. The Simulator would consists of a mathematical model representing the truck dynamics, a wide angle visual simulation system to give the visual effects, a driver's cabin replica to give a realistic feel of driver's controls, an audio simulation system to reproduce the sound cues of the vehicle and an Instructor's station to monitor and control the training exercises. It has to simulate the motion effects of the vehicle by including a motion platform.

2.1.11. Artillery Forward Observers Trainer

The Artillery Forward Observers Trainer is proposed to train artillery Forward Observers (FOs) on Non-Line Of Sight (NLOS) fire. It should enable full simulation of real-life battlefield situations including fire planning, ranging and operating, as well as target identification, acquisition and engagement in different environmental situations, using actual equipment available to the FOs in the field. The AFOT trainer should include an instructor's station that provides control and supervision of the exercise and functions as the firing unit point of contact.

SECTION - 3

QUALIFYING REQUIREMENTS

3.1 Technical Capability

The Prospective Technology Partner shall be an OEM who has designed, manufactured, supplied and commissioned simulators for Defence applications to any major countries. The Prospective Technology Partner shall indicate the Type & Quantity of such Simulators supplied in the last 10 years against commercial orders. This data may be furnished as per the format below:

PROFORMA FOR PROSPECTIVE TECHNOLOGY PARTNER'S QUALIFYING EXPERIENCE

SL. NO.	CUSTOMER NAME, ORDER REFERENCE & DATE	ITEM DESCRIPTION	QTY	CUSTOMER'S CONTACT DETAILS • NAME • DESIGNATION • PHONE NO. • FAX NO. • EMAIL ID	DATE OF SUPPLY/ COMMISSIONING	PERFORMANCE CERTIFICATE FROM CUSTOMER REGARDING SATISFACTORY PERFORMANCE

3.2 Information Transfer

Prospective Technology Partner should be willing to transfer the information including software to ESD for design, procure materials, manufacture, inspection, testing, commissioning, trouble shooting, servicing/maintenance, quality assurance methods etc., for the Simulators. Specific confirmation on the points listed in Section–1, Cl. 1.8 are to be furnished.

SECTION – 4

COMPANY PROFILE

4.1	**GENERAL INFORMATION:**
4.1.1	NAME OF COMPANY (ownership details for the last 5 years):
4.1.2	DETAILS OF HEAD OFFICE: ADDRESS: TELEPHONE: FAX: E-MAIL: WEB SITE: NO. OF COUNTRIES OPERATING FROM:
4.1.3	DETAILS OF FACTORY / WORKS: ADDRESS: TELEPHONE: FAX: E-MAIL:
4.1.4	DETAILS OF MARKETING AGENT (OUTSIDE INDIA, IF ANY): ADDRESS: TELEPHONE: FAX: E-MAIL:
4.1.5	DETAILS OF INDIAN AGENT, IF ANY: ADDRESS: TELEPHONE: FAX: E-MAIL:
4.1.6	CHIEF EXECUTIVE:

4.1.7	CONTACT PERSON(S) FOR PRODUCT OFFERED: NAME(S): DESIGNATION: ADDRESS: TELEPHONE: FAX: E-MAIL:
4.1.8	YEAR OF ESTABLISHMENT:
4.1.9	PRODUCTION CAPACITY PER ANNUM FOR SIMULATORS: (Manpower in design, R&D, manufacturing, testing, QC and after sales support)
4.1.10	PARTICULARS OF PRODUCT INCLUDING SPECIFICATION AND RANGE: (ATTACH BROCHURES AND CATALOGUES) Complying to international standards such as ISO, IEEE, MIL standards.
4.2	**COUNTRY OF ORIGIN FOR OFFERED PRODUCTS AND TECHNOLOGY**
4.3	**FINANCIAL INFORMATION:**
4.3.1	ANNUAL TURNOVER AND PROFIT-AFTER-TAX FOR LAST 3 YEARS: (attach copies of audited Balance Sheet and Profit & Loss Account) YEAR – 2010-11: YEAR – 2011-12: YEAR – 2012-13: (Break-up of overall revenue and revenue from Simulators)
4.3.2	DUNN AND BRADSTREET REPORT FOR THE COMPANY
4.4	**QUALITY AND ENVIRONMENTAL MANAGEMENT SYSTEM:**
4.4.1	IS THE COMPANY ISO:9001 OR EQUIVALENT CERTIFIED : YES / NO. IF YES, ENCLOSE COPY OF CERTIFICATE
4.4.2	IS THE COMPANY ISO:14001 OR EQUIVALENT CERTIFIED : YES / NO. IF YES, ENCLOSE COPY OF CERTIFICATE
4.4.3	IS THE COMPANY OHSAS 18001 OR EQUIVALENT CERTIFIED : YES / NO. IF

	YES, ENCLOSE COPY OF CERTIFICATE
4.4.4	IS THE COMPANY ISO 27001 OR EQUIVALENT CERTIFIED : YES / NO. IF YES, ENCLOSE COPY OF CERTIFICATE
4.5	**EXPERIENCE LIST FOR OFFERED/SIMILAR ITEMS**
4.6	**LIST OF SOFTWARE COMPLIANCE STANDARDS FOR DEVELOPMENT, DESIGN, TESTING AND LIFE CYCLE MANAGEMENT**
4.7	**ANY OTHER INFORMATION**

SECTION – 5

CHECKLIST OF DOCUMENTS TO BE SUBMITTED AS RESPONSE TO EOI

Information/documents to be provided along with response to Expression of Interest:

Sl. No.	Information / Document	Compliance
1	Covering Letter signed by an Authorized Signatory on Company letterhead, listing clearly the Enclosures.	Yes / No
2	Catalogue of Simulators for various Defence Applications	Yes / No
3	Technical Write-up describing features for each type of Simulators	Yes / No
4	Reference list of Simulators supplied/commissioned	Yes / No
5	Acceptance for Transfer of Technology under TCA or BSA Category (Please specify TCA or BSA)	Yes / No
6	Organization Chart	Yes / No
7	Details required in Section–1 – Clause 1.8.1	Yes / No
8	Details required in Section–1 – Clause 1.8.2 – a to k	Yes / No
9	Filled-up Qualifying Criteria Format – Section–3	Yes / No
10	Filled-up Company Profile – Section–4	Yes / No