



**UNODC**

United Nations Office on Drugs and Crime



## INDIVIDUAL CONSULTANT PROCUREMENT NOTICE

### National Individual

**UNDP-IC-2023-004**

**9<sup>th</sup> January 2023**

<b>Country:</b>	<b>Pakistan</b>
<b>Description of the assignment:</b>	<b>Consultant - Post Blast 3D Visual Reality Crime Scene Management Simulator</b>
<b>Project name:</b>	<b>Preventing and Countering Terrorism (SP-IV)</b>
<b>Duty Station:</b>	<b>Home Based with possible travel within Pakistan</b>
<b>Period of assignment/services:</b>	<b>145 working days during the period of 07 months</b>

**Important Note:** Final selected IC will be required to provide a statement of health certificate along with proof of health insurance.

Please submit your Technical and Financial proposals to the following.

Email [bids.pk@undp.org](mailto:bids.pk@undp.org) not later than 24<sup>th</sup> January 2023 at 1500 HRS Pakistan Standard Time. Hand delivery is not acceptable.

**Important note for email submissions:** Please put **UNDP-IC-2023-004 - Consultant - Post Blast 3D VR Crime Scene Management Simulator** in the subject line. Further, our system will not accept emails those are more than 30 MB size. If required, segregate your emails to accommodate email data restrictions. For segregated emails please use sequence of emails like Email 1, Email 2 .... in the subject line. For attachment purposes please only use MS Word, Excel, Power Point or PDF formats.

If you request additional information, please write to [pakistan.procurement.info@undp.org](mailto:pakistan.procurement.info@undp.org) with reference number in the email subject line. The team will provide necessary information within due date. However, any delay in providing such information will not be considered a reason for extending the submission date of your proposal. All/any query regarding the submission of the proposal may be sent prior to the deadline at the e-mail/address mentioned above.

**UN is committed to achieving workforce diversity in terms of gender, nationality, and culture. Individuals from minority groups, indigenous groups and persons with disabilities are equally encouraged to apply. All applications will be treated with the strictest confidence.**

**UN does not tolerate sexual exploitation and abuse, any kind of harassment, including sexual harassment, and discrimination. All selected candidates will, therefore, undergo reference and background checks.**

**TERMS OF REFERENCE****1. BACKGROUND**

The United Nations Office on Drugs and Crime (UNODC) in Pakistan (COPAK) has developed Country Programme-III (2021-2025) which is an integrated country programme approach that builds on the One-UN ethos, full support of the Government of Pakistan (GoP) and civil society and contribute to progress towards the Sustainable Development Goals (SDGs).

The threats of trafficking of illicit drugs and transnational organized crime, a fragile criminal justice system, international financial crimes, trafficking in persons and smuggling of migrants, cybercrime, terrorism, and the public health crises posed by drug use disorders and HIV/AIDS, all pose a challenge to sustainable and equitable development in Pakistan.

Terrorism can more easily take root and flourish in societies where basic elements of human security are weak. UNODC's mandate to support the GoP and strengthen its ability to address the interconnected challenges of security, the rule of law, and health has resulted in a strong network of relationships and a reputation of providing needed expertise and evidence-based support to partners at multiple levels.

**2. MAIN OBJECTIVES, RESPONSABILITIES AND DESCRIPTION OF THE PROPOSED ANALYTICAL WORK.**

To enhance the capacity and investigation processes of Sindh and Baluchistan Police, the UNODC requires the services of a national consultant for designing and development of a post-blast Virtual Reality (VR) crime scene simulator as a training aid for first responders, bomb disposal teams, Investigation Officers (IO's) and forensic experts based on already developed Standard Operating Procedures (SOP's). The simulator should provide an interactive and immersive teaching method that employs technology to provide virtual scenarios to simulate situations that occur in actual settings. The VR-based should put the trainee in a virtual 3D environment relevant to the developed SOP's via specially designed equipment to give the trainee the most possible near to reality feeling and pressures which is otherwise difficult to create in conventional training methods.

The national consultant will act as a software developer and designer of 3D Virtual Reality environments while using agile development methodologies, designing workflows, produce clean and efficient code based on the specification, integrate software components and third-party licenses, verify and deploy programs and systems, troubleshoot, debug and upgrade existing software, gather and evaluate user feedback, recommend and execute improvements, and create technical documentation for reference and reporting.

The consultant will be responsible to develop the 3D VR Simulator for the training of the police officials with the below set of salient features.

1. **Multiple roles and environments** with visuals close to photorealism and related environmental sound effects. The virtual environments must be created with resemblance to various real-life locations in Pakistan where certain terrorist activity has taken place in the past. The environments must contain animated characters and objects including crowded.
2. **Tutorial** for trainees who uses the simulator for the first time. A simple hand on tutorial that trains the first-time user on the control and operation of the simulator.
3. **Gamification of SOPs** while interacting with virtual objects in the VR environment and following the SOPs.
4. **Evaluation** by associating score to each task performed to assess trainee/user performance
5. **Report Generation** at end of every session.

### **3. SCOPE OF WORK, RESPONSIBILITIES AND DESCRIPTION OF THE PROPOSED ANALYTICAL WORK**

The National consultant will undertake the following duties and responsibilities:

1. Development of the functionalities included in the VR simulator, which must be according to the developed SOPs followed in post-blast crime scene management and should be approved by the relevant professionals/departments such as CSI team of Punjab Forensic Science Agency (PFSA) or any other approved legal agency.
2. Development of a document specifying the different training modules and tasks included in the simulator. The document must also cover the sequence of each task performance to make the whole training connected and continuous.
3. Design a 3D VR simulator using 3D modeling software tools e.g 3D Maya, Lightwave 3D, Adobe After Effects which should define specific roles performing the crime scene management such as First Responding Officer (FRO), Bomb Disposal Unit (BDU) and Investigation Officer (IO). Training elements for all these roles shall be included in VR training simulator.
4. The VR simulator must be developed in any of world's renowned game engines like Unity 3D or Unreal Engine with close to photorealistic visuals.
5. The VR simulator must offer at least 2-3 different 3D virtual environment with photorealistic visuals and sounds for realistic lifelike feedback. Each environment must propose a different story/challenge for investigation. The environment must reflect the localities of Pakistan.
6. Review of UNIDIR self-assessment toolkit and inclusion of response into SOPs, 3D VR software and roll-out.
7. Work closely within the virtual production and VR teams to develop and maintain lightweight clients and optimized modules covering AI, custom shader support, customs effects, hardware device input, game play mechanics to support VR experiences.

8. Each 3D scenario must be played within different environments to challenge the trainees such as weather conditions, time of incident.
9. Crowded behavior based on basic Artificial Intelligence (AI) should be incorporated in virtual environments to make the training more realistic and progressive/challenging.
10. The simulator must have a basic hands-on training/tutorial mode to help first-time users get used to the VR controllers and operations inside the VR environment.
11. Application of experience and knowledge to optimize game engine deployment for virtual reality in terms of memory, frame rate and performance.
12. Generating an assessment report or scoring associated with the level of skills performed by the character/trainee, approach to perform a task, time taken while performing a task etc.
13. Produce clean and efficient code based on the specification, integrate software components and third-party licenses.
14. A document that enlists all the possible software and hardware required for deployment of the VR-based simulator at any given station across Pakistan.
15. Successful deployment of the final version of the 3D VR simulator on the desired number of computer systems and installation of supporting hardware at desired locations.

## 5. Payment Schedule:

### Dates and details as to how the work must be delivered (preliminary timeline):

Payments will be made upon satisfactory completion and/or submission of outputs/deliverables.

Deliverable	Description of task (deliverable)	Days	Timelines
A	Pre-production documentation of the roles, sequence of each task, storyboarding, game levels based on learning objectives, evaluation and scoring methods.	15	Feb 2023
B	Designing the layout of each virtual 3D environment based on real-life locations and crime scene incidents to demonstrate what story each crime scene carries	30	Feb/Mar 2023
C	Design and develop of 2-3 Photorealistic 3D environments with complete textures, shaders and lighting. Including all the required 3D assets such as vehicles, humans and any other objects	25	Mar/Apr 2023
D	Programming of all the overall functionalities, roles, navigation, interaction with relevant 3D objects and scenarios while posting all the code and software development progress for continuous feedback	35	Apr/May 2023
E	Integrating and programming all the functionalities into a 3D VR environment. Adding environmental effects and time of the day for each scenario. Creating a complete and logical sequence of tasks for each role using game development software/tools	10	May/June 2023
F	Release of final version after passing the testing to attain a lightweight and optimized 3D VR Simulator covering, core	25	Jun/Jul 2023

	functionalities and features, lighting and shaders support, custom effects, hardware device input, game play mechanics for best VR experiences		
G	Deployment of the VR simulator on desired number of systems at a specified location and submit report.	05	Aug 2023
		145	

- Payments will be made upon satisfactory completion and/or submission of outputs/deliverables.
- Consultant must ensure regular coordination of activities/ project progress with UNODC and other relevant Pakistan government agencies.

## 7. REQUIREMENTS FOR EXPERIENCE AND QUALIFICATIONS

### I. Academic Qualifications:

- An advanced university degree (master's degree or equivalent) or above in Computer Science, Information Technology, Computer Engineering or System Engineering or any other relevant disciplines

### II. Years of experience:

- A minimum of 10 years of experience in agile frameworks and popular 3D modeling and coding applications e.g 3D Maya, LightWave 3D, Adobe After Effects, and gaming engines e.g. Unity 3D, Unreal Engine etc.
- Have an esthetic sense and excellent designing ability to translate real work environments in 3D Virtual Reality modeling applications – Unity or UE (2-3 samples/links shall be provided)
- Experience working with international organizations preferably in criminal justice sector. Knowledge of Counter Terrorism and Policing work in Pakistan.

### III. Competencies:

- Highly creative, passion for developing games, knowledge of latest trends in 3D modeling and software development.
- Expert knowledge of Unity3D and/or Unreal including GUI, asset bundles and materials/shaders.
- Proposal on methodology, technique and implementation strategy of 3D VR projects
- Ability to comprehend, translate procedures and gamification to create close-to-reality 3D Models and scenarios and effects
- Ability to implement existing script and/or visual scripting modules into optimized and economic code within Unity and/or Unreal.
- Ability to interact effectively with high-level police officials, aimed at seeking required technical clarifications and analyzing their strategic needs.
- Excellent verbal and written communication skills in English and Urdu.

- Ability to manage complex software development processes using advanced tools and to translate ideas into workable solutions
- Ability to formulate concept notes, evaluation or assessment reports and presentations.
- Ability to work under pressure and adhere to tight deadlines, with the capacity to perform multiple tasks.
- Work experience with government authorities, particularly in law enforcement, crime prevention or related field is highly desirable.

**Note: Consultant would be required to share technical proposal presenting the methodology of the assignment.**

## **8. DOCUMENTS TO BE INCLUDED WHEN SUBMITTING THE PROPOSALS.**

Interested individual consultants must submit the following documents/information to demonstrate their qualifications:

### 1. Technical Proposal:

- I. Explaining why they are the most suitable for the work
- II. Provide a brief methodology on how they will approach and conduct the assigned task

### 2. Financial proposal

### 3. Personal CV including past experience in similar projects and at least 3 references

### 4. P-11 Form duly completed.

## **9. FINANCIAL PROPOSAL**

- **Lump sum contracts**

The financial proposal shall specify a total lump sum amount, and payment terms around specific and measurable (qualitative and quantitative) deliverables (i.e. whether payments fall in installments or upon completion of the entire contract). Payments are based upon output, i.e. upon delivery of the services specified in the TOR. In order to assist the requesting unit in the comparison of financial proposals, the financial proposal will include a breakdown of this lump sum amount (including travel, per diems, and number of anticipated working days).

### **Travel:**

All envisaged travel costs must be included in the financial proposal. This includes all travel to join duty station/repatriation travel. In general, UNDP should not accept travel costs exceeding those of an economy class ticket. Should the IC wish to travel on a higher class he/she should do so using their own resources. In the case of unforeseeable travel, payment of travel costs including

tickets, lodging and terminal expenses should be agreed upon, between the respective business unit and Individual Consultant, prior to travel and will be reimbursed.

## 10. EVALUATION

Individual consultants will be evaluated based on the following methodologies:

### 1. Lowest price and technically compliant offer

*When using this method, the award of a contract should be made to the individual consultant whose offer has been evaluated and determined as both:*

- a) responsive/compliant/acceptable, and*
- b) offering the lowest price/cost*

*“responsive/compliant/acceptable” can be defined as fully meeting the TOR provided.*

### 2. Cumulative analysis

*When using this weighted scoring method, the award of the contract should be made to the individual consultant whose offer has been evaluated and determined as:*

- a) responsive/compliant/acceptable, and*
- b) Having received the highest score out of a pre-determined set of weighted technical and financial criteria specific to the solicitation.*

\* Technical Criteria weight; 70

\* Financial Criteria weight; 30

Only candidates obtaining a minimum of 49 out of 70 points would be considered for the Financial Evaluation:

<b>Criteria</b>	<b>Weight</b>	<b>Max. Point</b>
<u>Technical Competencies</u>	70	
An advanced university degree (master’s degree or equivalent) or above in Computer Science, Information Technology, Computer Engineering or System Engineering or any other relevant disciplines		Yes/No
A minimum of 10 years of experience in agile frameworks and popular 3D modeling and coding applications e.g 3D Maya, LightWave 3D, Adobe After Effects, and gaming engines e.g. Unity 3D, Unreal Engine etc.		Yes/No
Technical proposal presenting the methodology of the assignment including and technique and implementation strategy of 3D VR projects	30	

Have an esthetic sense and excellent designing ability to translate real work environments in 3D Virtual Reality modeling applications – Unity or UE (2-3 samples/links shall be provided)	10	
Experience working with international organizations preferably in criminal justice sector. Knowledge of Counter Terrorism and Policing work in Pakistan.	10	
<p>Expert knowledge of Unity3D and/or Unreal including GUI, asset bundles and materials/shaders.</p> <p>Ability to comprehend, translate procedures and gamification to create close-to-reality 3D Models and scenarios and effects</p> <p>Ability to implement existing script and/or visual scripting modules into optimized and economic code within Unity and/or Unreal.</p> <p>Ability to interact effectively with high-level police officials, aimed at seeking required technical clarifications and analyzing their strategic needs.</p> <p>Excellent verbal and written communication skills in English and Urdu.</p> <p>Ability to manage complex software development processes using advanced tools and to translate ideas into workable solutions</p> <p>Ability to formulate concept notes, evaluation or assessment reports and presentations.</p> <p>Ability to work under pressure and adhere to tight deadlines, with the capacity to perform multiple tasks.</p> <p>Work experience with government authorities, particularly in law enforcement, crime prevention or related field is highly desirable.</p>	20	
<u>Total Score</u>		Technical score 70 + 30 Financial
<b>Weight per Technical Competence</b>		
Weak: Below 70%	The individual consultant/contractor has demonstrated a <b>WEAK</b> capacity for the analyzed competence	
Satisfactory : 70-75%	The individual consultant/contractor has demonstrated a <b>SATISFACTORY</b> capacity for the analyzed competence	
Good: 76-85%	The individual consultant/contractor has demonstrated a <b>GOOD</b> capacity for the analyzed competence	
Very Good: 86-95%	The individual consultant/contractor has demonstrated a <b>VERY GOOD</b> capacity for the analyzed competence	
Outstanding: 96-100%	The individual consultant/contractor has demonstrated an <b>OUTSTANDING capacity</b> for the analyzed competence	



**ANNEX**

- ANNEX 1- TERMS OF REFERENCES (TOR)**
- ANNEX 2- INDIVIDUAL CONSULTANT GENERAL TERMS AND CONDITIONS**
- ANNEX 3- PROPOSAL SUBMISSION FORM**
- ANNEX 4- OFFEROR'S LETTER TO UNDP**
- ANNEX 5- FINANCIAL PROPOSAL**
- ANNEX 6- P 11 FORM**
- ANNEX 7- STATEMENT OF HEALTH**

**GENERAL CONDITIONS OF CONTRACT  
FOR THE SERVICES OF INDIVIDUAL CONTRACTORS**

**1. LEGAL STATUS:** The Individual contractor shall have the legal status of an independent contractor vis-à-vis the United Nations Development Programme (UNDP), and shall not be regarded, for any purposes, as being either a “staff member” of UNDP, under the UN’ Staff Regulations and Rules, or an “official” of UNDP, for purposes of the Convention on the Privileges and Immunities of the United Nations, adopted by the General Assembly of the United Nations on 13 February 1946. Accordingly, nothing within or relating to the Contract shall establish the relationship of employer and employee, or of principal and agent, between UNDP and the Individual contractor. The officials, representatives, employees or subcontractors of UNDP and of the Individual contractor, if any, shall not be considered in any respect as being the employees or agents of the other, and UNDP and the Individual contractor shall be solely responsible for all claims arising out of or relating to its engagement of such persons or entities.

**2. STANDARDS OF CONDUCT:** In General: The Individual contractor shall neither seek nor accept instructions from any authority external to UNDP in connection with the performance of its obligations under the Contract. Should any authority external to UNDP seek to impose any instructions on the Contract regarding the Individual contractor’s performance under the Contract, the Individual contractor shall promptly notify UNDP and shall provide all reasonable assistance required by UNDP. The Individual contractor shall not take any action in respect of its performance of the Contract or otherwise related to its obligations under the Contract that may adversely affect the interests of UNDP, and the Individual contractor shall perform its obligations under the Contract with the fullest regard to the interests of UNDP. The Individual contractor warrants that it has not and shall not offer any direct or indirect benefit arising from or related to the performance of the Contract or the award thereof to any representative, official, employee or other agent of UNDP. The Individual contractor shall comply with all laws, ordinances, rules and regulations bearing upon the performance of its obligations under the Contract. In the performance of the Contract the Individual contractor shall comply with the standards of conduct set in the Secretary General’s Bulletin ST/SGB/2002/9 of 18 June 2002, entitled “Regulations Governing the Status, Basic Rights and Duties of Officials other than Secretariat Officials, and Expert on Mission”. The individual contractor must comply with all Security Directives issued by UNDP. Failure to comply with such security directives is grounds for termination of the Individual contractor for cause.

**Prohibition of Sexual Exploitation and Abuse:** In the performance of the Contract, the Individual contractor shall comply with the standards of conduct set forth in the Secretary-General’s bulletin ST/SGB/2003/13 of 9 October 2003, concerning “Special measures for protection from sexual exploitation and sexual abuse”. In particular, the Individual contractor shall not engage in any conduct that would constitute sexual exploitation or sexual abuse, as defined in that bulletin.

The Individual contractor acknowledges and agrees that any breach of any of the provisions hereof shall constitute a breach of an essential term of the Contract, and, in addition to any other legal rights or remedies available to any person, shall give rise to grounds for termination of the Contract. In addition, nothing herein shall limit the right of UNDP to refer any alleged breach of the foregoing standards of conduct to the relevant national authorities for appropriate legal action.

**3. TITLE RIGHTS, COPYRIGHTS, PATENTS AND OTHER PROPRIETARY RIGHTS:** Title to any equipment and supplies that may be furnished by UNDP to the Individual contractor for the performance of any obligations under the Contract shall rest with UNDP, and any such equipment shall be returned to UNDP at the conclusion of the Contract or when no longer needed by the Individual contractor. Such equipment, when returned to UNDP, shall be in the same condition as when delivered to the Individual contractor, subject to normal wear and tear, and the Individual contractor shall be liable to compensate UNDP for any damage or degradation of the equipment that is beyond normal wear and tear.

UNDP shall be entitled to all intellectual property and other proprietary rights, including, but not limited to, patents, copyrights and trademarks, with regard to products, processes, inventions, ideas, know-how or documents and other materials which the Individual contractor has developed for UNDP under the Contract and which bear a direct relation to or are produced or prepared or collected in consequence of, or during the course of, the performance of the Contract, and the Individual contractor acknowledges and agrees that such products, documents and other materials constitute works made for hire for UNDP. However, to the extent that any such intellectual property or other proprietary rights consist of any intellectual property or other proprietary rights of the Individual contractor: (a) that pre-existed the performance by the Individual contractor of its obligations under the Contract, or (b) that the Individual contractor may develop or acquire, or may have developed or acquired, independently of the performance of its obligations under the Contract, UNDP does not and shall not claim any ownership interest thereto, and the Individual contractor grants to UNDP a perpetual licence to use such intellectual property or other proprietary right solely for the purposes of and in accordance with the requirements of the Contract. At the request of UNDP, the Individual contractor shall take all necessary steps, execute all necessary documents and generally assist in securing such proprietary rights and transferring or licensing them to UNDP in compliance with the requirements of the applicable law and of the Contract. Subject to the foregoing provisions, all maps, drawings, photographs, mosaics, plans, reports, estimates, recommendations, documents and all other data compiled by or received by the Individual contractor under the Contract shall be the property of UNDP, shall be made available for use or inspection by UNDP at reasonable times and in reasonable places, shall be treated as confidential and shall be delivered only to UNDP authorized officials on completion of work under the Contract

**4. CONFIDENTIAL NATURE OF DOCUMENTS AND INFORMATION:** Information and data that are considered proprietary by either UNDP or the Individual contractor or that are delivered or disclosed by one of them ("Discloser") to the other ("Recipient") during the course of performance of the Contract, and that are designated as confidential ("Information"), shall be held in confidence and shall be handled as follows. The Recipient of such Information shall use the same care and discretion to avoid disclosure, publication or dissemination of the Discloser's Information as it uses with its own similar information that it does not wish to disclose, publish or disseminate, and the Recipient may otherwise use the Discloser's Information solely for the purpose for which it was disclosed. The Recipient may disclose confidential Information to any other party with the Discloser's prior written consent, as well as to the Recipient's employees, officials, representatives and agents who have a need to know such confidential Information solely for purposes of performing obligations under the Contract. Subject to and without any waiver of the privileges and immunities of UNDP, the Individual contractor may disclose Information to the extent required by law, *provided that* the Individual contractor will give UNDP sufficient prior notice of a request for the disclosure of Information in order to allow UNDP to have a reasonable opportunity to take protective measures or such other action as may be appropriate before any such disclosure is made. UNDP may

disclose Information to the extent as required pursuant to the Charter of the United Nations, resolutions or regulations of the General Assembly or its other governing bodies, or rules promulgated by the Secretary-General. The Recipient shall not be precluded from disclosing Information that is obtained by the Recipient from a third party without restriction, is disclosed by the Discloser to a third party without any obligation of confidentiality, is previously known by the Recipient, or at any time is developed by the Recipient completely independently of any disclosures hereunder. These obligations and restrictions of confidentiality shall be effective during the term of the Contract, including any extension thereof, and, unless otherwise provided in the Contract, shall remain effective following any termination of the Contract.

**5. TRAVEL, MEDICAL CLEARANCE AND SERVICE INCURRED DEATH, INJURY OR ILLNESS:** If the Individual contractor is required by UNDP to travel beyond commuting distance from the Individual contractor's usual place of residence, and upon prior written agreement, such travel shall be at the expense of UNDP. Such travel shall be at economy care when by air.

UNDP may require the Individual contractor to submit a Statement of Good Health from a recognized physician prior to commencement of work in any offices or premises of UNDP or before engaging in any travel required by UNDP or connected with the performance of the Contract. The Individual contractor shall provide such a Statement of Good Health as soon as practicable following such request, and prior to engaging in any such travel, and the Individual contractor warrants the accuracy of any such Statement, including, but not limited to, confirmation that the Individual contractor has been fully informed regarding the requirements for inoculations for the country or countries to which travel may be authorized.

In the event of the death, injury or illness of the Individual contractor which is attributable to the performance of services on behalf of UNDP under the terms of the Contract while the Individual contractor is traveling at UNDP expense or is performing any services under the Contract in any offices or premises of UNDP, the Individual contractor or the Individual contractor's dependants, as appropriate, shall be entitled to compensation equivalent to that provided under the UNDP insurance policy, available upon request.

**6. PROHIBITION ON ASSIGNMENT; MODIFICATIONS:** The Individual contractor may not assign, delegate, transfer, pledge or make any other disposition of the Contract, of any part thereof, or of any of the rights, claims or obligations under the Contract except with the prior written authorization of UNDP, and any attempt to do so shall be null and void. The terms or conditions of any supplemental undertakings, licences or other forms of Contract concerning any goods or services to be provided under the Contract shall not be valid and enforceable against UNDP nor in any way shall constitute an Contract by UNDP thereto, unless any such undertakings, licences or other forms of Contract are the subject of a valid written undertaking by UNDP. No modification or change in the Contract shall be valid and enforceable against UNDP unless provided by means of a valid written amendment to the Contract signed by the Individual contractor and an authorized official or appropriate contracting authority of UNDP.

**7. SUBCONTRACTORS:** In the event that the Individual contractor requires the services of subcontractors to perform any obligations under the Contract, the Individual contractor shall obtain the prior written approval of UNDP for any such subcontractors. UNDP may, in its sole discretion, reject any proposed subcontractor or require such subcontractor's removal without having to give any justification therefore, and such rejection shall not entitle the Individual contractor to claim any delays in the performance, or to assert any excuses for the non-performance, of any of its obligations under the Contract. The Individual

contractor shall be solely responsible for all services and obligations performed by its subcontractors. The terms of any subcontract shall be subject to, and shall be construed in a manner that is fully in accordance with, all of the terms and conditions of the Contract.

**8. USE OF NAME, EMBLEM OR OFFICIAL SEAL OF THE UNITED NATIONS:** The Individual contractor shall not advertise or otherwise make public for purposes of commercial advantage or goodwill that it has a contractual relationship with UNDP, nor shall the Individual contractor, in any manner whatsoever, use the name, emblem or official seal of UNDP, or any abbreviation of the name of UNDP, in connection with its business or otherwise without the written permission of UNDP.

**9. INDEMNIFICATION:** The Individual contractor shall indemnify, defend, and hold and save harmless UNDP, and its officials, agents and employees, from and against all suits, proceedings, claims, demands, losses and liability of any kind or nature, including, but not limited to, all litigation costs and expenses, attorney's fees, settlement payments and damages, based on, arising from, or relating to: (a) allegations or claims that the use by UNDP of any patented device, any copyrighted material or any other goods or services provided to UNDP for its use under the terms of the Contract, in whole or in part, separately or in combination, constitutes an infringement of any patent, copyright, trademark or other intellectual property right of any third party; or (b) any acts or omissions of the Individual contractor, or of any subcontractor or anyone directly or indirectly employed by them in the performance of the Contract, which give rise to legal liability to anyone not a party to the Contract, including, without limitation, claims and liability in the nature of a claim for workers' compensation.

**10. INSURANCE:** The Individual contractor shall pay UNDP promptly for all loss, destruction or damage to the property of UNDP caused by the Individual contractor, or of any subcontractor, or anyone directly or indirectly employed by them in the performance of the Contract. The Individual contractor shall be solely responsible for taking out and for maintaining adequate insurance required to meet any of its obligations under the Contract, as well as for arranging, at the Individual contractor's sole expense, such life, health and other forms of insurance as the Individual contractor may consider to be appropriate to cover the period during which the Individual contractor provides services under the Contract. The Individual contractor acknowledges and agrees that none of the insurance arrangements the Individual contractor may make shall, in any way, be construed to limit the Individual contractor's liability arising under or relating to the Contract.

**11. ENCUMBRANCES AND LIENS:** The Individual contractor shall not cause or permit any lien, attachment or other encumbrance by any person to be placed on file or to remain on file in any public office or on file with UNDP against any monies due to the Individual contractor or to become due for any work done or against any goods supplied or materials furnished under the Contract, or by reason of any other claim or demand against the Individual contractor.

**12. FORCE MAJEURE; OTHER CHANGES IN CONDITIONS:** In the event of and as soon as possible after the occurrence of any cause constituting *force majeure*, the Individual contractor shall give notice and full particulars in writing to UNDP of such occurrence or cause if the Individual contractor is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under the Contract. The Individual contractor shall also notify UNDP of any other changes in conditions or the occurrence of any event, which interferes or threatens to interfere with its performance of the Contract. Not more than fifteen

(15) days following the provision of such notice of *force majeure* or other changes in conditions or occurrence, the Individual contractor shall also submit a statement to UNDP of estimated expenditures that will likely be incurred for the duration of the change in conditions or the event. On receipt of the notice or notices required hereunder, UNDP shall take such action as it considers, in its sole discretion, to be appropriate or necessary in the circumstances, including the granting to the Individual contractor of a reasonable extension of time in which to perform any obligations under the Contract.

In the event of and as soon as possible after the occurrence of any cause constituting *force majeure*, the Individual contractor shall give notice and full particulars in writing to UNDP of such occurrence or cause if the Individual contractor is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under the Contract. The Individual contractor shall also notify UNDP of any other changes in conditions or the occurrence of any event, which interferes or threatens to interfere with its performance of the Contract. Not more than fifteen (15) days following the provision of such notice of *force majeure* or other changes in conditions or occurrence, the Individual contractor shall also submit a statement to UNDP of estimated expenditures that will likely be incurred for the duration of the change in conditions or the event. On receipt of the notice or notices required hereunder, UNDP shall take such action as it considers, in its sole discretion, to be appropriate or necessary in the circumstances, including the granting to the Individual contractor of a reasonable extension of time in which to perform any obligations under the Contract.

*Force majeure* as used herein means any unforeseeable and irresistible act of nature, any act of war (whether declared or not), invasion, revolution, insurrection, or any other acts of a similar nature or force, *provided that* such acts arise from causes beyond the control and without the fault or negligence of the Individual contractor. The Individual contractor acknowledges and agrees that, with respect to any obligations under the Contract that the Individual contractor must perform in or for any areas in which UNDP is engaged in, preparing to engage in, or disengaging from any peacekeeping, humanitarian or similar operations, any delay or failure to perform such obligations arising from or relating to harsh conditions within such areas or to any incidents of civil unrest occurring in such areas shall not, in and of itself, constitute *force majeure* under the Contract

13. **TERMINATION:** Either party may terminate the Contract, in whole or in part, upon giving written notice to the other party. The period of notice shall be five (5) days in the case of Contracts for a total period of less than two (2) months and fourteen (14) days in the case of contracts for a longer period. The initiation of conciliation or arbitral proceedings, as provided below, shall not be deemed to be a "cause" for or otherwise to be in itself a termination of the Contract. UNDP may, without prejudice to any other right or remedy available to it, terminate the Contract forthwith in the event that: (a) the Individual contractor is adjudged bankrupt, or is liquidated, or becomes insolvent, applies for moratorium or stay on any payment or repayment obligations, or applies to be declared insolvent; (b) the Individual contractor is granted a moratorium or a stay or is declared insolvent; the Individual contractor makes an assignment for the benefit of one or more of its creditors; (c) a Receiver is appointed on account of the insolvency of the Individual contractor ; (d) the Individual contractor offers a settlement in lieu of bankruptcy or receivership; or (e) UNDP reasonably determines that the Individual contractor has become subject to a materially adverse change in its financial condition that threatens to endanger or otherwise substantially affect the ability of the Individual contractor to perform any of its obligations under the Contract.

In the event of any termination of the Contract, upon receipt of notice of termination by UNDP, the Individual contractor shall, except as may be directed by UNDP in the notice of termination or otherwise in writing: (a) take immediate steps to bring the performance of any obligations under the Contract to a close in a prompt and orderly manner, and in doing so, reduce expenses to a minimum; (b) refrain from undertaking any further or additional commitments under the Contract as of and following the date of receipt of such notice; (c) deliver all completed or partially completed plans, drawings, information and other property that, if the Contract had been completed, would be required to be furnished to UNDP thereunder; (d) complete performance of the work not terminated; and (e) take any other action that may be necessary, or that UNDP may direct in writing, for the protection and preservation of any property, whether tangible or intangible, related to the Contract that is in the possession of the Individual contractor and in which UNDP has or may be reasonably expected to acquire an interest.

In the event of any termination of the Contract, UNDP shall only be liable to pay the Individual contractor compensation on a pro rata basis for no more than the actual amount of work performed to the satisfaction of UNDP in accordance with the requirements of the Contract. Additional costs incurred by UNDP resulting from the termination of the Contract by the Individual contractor may be withheld from any amount otherwise due to the Individual contractor from UNDP..

14. **NON-EXCLUSIVITY:** UNDP shall have no obligation respecting, and no limitations on, its right to obtain goods of the same kind, quality and quantity, or to obtain any services of the kind described in the Contract, from any other source at any time.

15. **TAXATION:** Article II, section 7, of the Convention on the Privileges and Immunities of the United Nations provides, *inter alia*, that the United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize the exemptions of the United Nations from such taxes, restrictions, duties or charges, the Individual contractor shall immediately consult with UNDP to determine a mutually acceptable procedure. UNDP shall have no liability for taxes, duties or other similar charges payable by the Individual contractor in respect of any amounts paid to the Individual contractor under this Contract, and the Individual contractor acknowledges that UNDP will not issue any statements of earnings to the Individual contractor in respect of any such payments.

**16. AUDITS AND INVESTIGATIONS:**

Each invoice paid by UNDP shall be subject to a post-payment audit by auditors, whether internal or external, of UNDP or by other authorized and qualified agents of UNDP at any time during the term of the Contract and for a period of two (2) years following the expiration or prior termination of the Contract. UNDP shall be entitled to a refund from the Individual contractor for any amounts shown by such audits to have been paid by UNDP other than in accordance with the terms and conditions of the Contract.

The Individual contractor acknowledges and agrees that, from time to time, UNDP may conduct investigations relating to any aspect of the Contract or the award thereof, the obligations performed under the Contract, and the operations of the Individual contractor generally relating to performance of the Contract. The right of UNDP to conduct an investigation and the Individual contractor's obligation to comply with such an investigation shall not lapse upon expiration or prior termination of the Contract. The Individual contractor shall provide its full and timely cooperation with any such inspections, post-payment audits or

investigations. Such cooperation shall include, but shall not be limited to, the Individual contractor's obligation to make available its personnel and any relevant documentation for such purposes at reasonable times and on reasonable conditions and to grant to UNDP access to the Individual contractor's premises at reasonable times and on reasonable conditions in connection with such access to the Individual contractor's personnel and relevant documentation. The Individual contractor shall require its agents, including, but not limited to, the Individual contractor's attorneys, accountants or other advisers, to reasonably cooperate with any inspections, post-payment audits or investigations carried out by UNDP hereunder.

**17. SETTLEMENT OF DISPUTES:**

**AMICABLE SETTLEMENT:** UNDP and the Individual contractor shall use their best efforts to amicably settle any dispute, controversy or claim arising out of the Contract or the breach, termination or invalidity thereof. Where the parties wish to seek such an amicable settlement through conciliation, the conciliation shall take place in accordance with the Conciliation Rules then obtaining of the United Nations Commission on International Trade Law ("UNCITRAL"), or according to such other procedure as may be agreed between the parties in writing.

**ARBITRATION:** Any dispute, controversy or claim between the parties arising out of the Contract, or the breach, termination, or invalidity thereof, unless settled amicably, as provided above, shall be referred by either of the parties to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining. The decisions of the arbitral tribunal shall be based on general principles of international commercial law. For all evidentiary questions, the arbitral tribunal shall be guided by the Supplementary Rules Governing the Presentation and Reception of Evidence in International Commercial Arbitration of the International Bar Association, 28 May 1983 edition. The arbitral tribunal shall be empowered to order the return or destruction of goods or any property, whether tangible or intangible, or of any confidential information provided under the Contract, order the termination of the Contract, or order that any other protective measures be taken with respect to the goods, services or any other property, whether tangible or intangible, or of any confidential information provided under the Contract, as appropriate, all in accordance with the authority of the arbitral tribunal pursuant to Article 26 ("Interim Measures of Protection") and Article 32 ("Form and Effect of the Award") of the UNCITRAL Arbitration Rules. The arbitral tribunal shall have no authority to award punitive damages. In addition, unless otherwise expressly provided in the Contract, the arbitral tribunal shall have no authority to award interest in excess of the London Inter-Bank Offered Rate ("LIBOR") then prevailing, and any such interest shall be simple interest only. The parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such dispute, controversy or claim.

**18. PRIVILEGES AND IMMUNITIES:** Nothing in or relating to the Contract shall be deemed a waiver, express or implied, of any of the privileges and immunities of the United Nations, including its subsidiary organs.