REQUEST FOR QUOTATION (RFQ) RFQ-2018-006
(Goods: IT Software)

Addressed to:	**DATE:** 08 August 2018
	REFERENCE: RFQ-2018-006

Dear Sir / Madam:

We kindly request you to submit your quotation for **PIESAT UAV (Mapping Version) software** as detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 2.

Quotations may be submitted on or before August 13, 2018 and via (choose appropriate box) ☒*e-mail* to the address below:

United Nations Development Programme
UN House 14, United Nations Street, Sukhbaatar district,
Ulaanbaatar 14201, Mongolia
+976-11-327585 or
Via email: bids.mn@undp.org

Quotations submitted by email must be limited to a maximum of 7 MB, virus-free and no more than 5 email transmissions. They must be free from any form of virus or corrupted contents, or the quotations shall be rejected.

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned good/s:

Delivery Schedule	✓ Required

Preferred Currency of Quotation[1]	✓ United States Dollars
Value Added Tax on Price Quotation[2]	☒ Must be exclusive of VAT and other applicable indirect taxes
Deadline for the Submission of Quotation	11 a.m. 13 August 2018 Ulaanbaatar time
All documentations, including catalogs, instructions and operating manuals, shall be in this language	✓ English
Documents to be submitted[3] mandatory	☒ Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1; ☒ A statement whether any import or export licenses are required in respect of the goods to be purchased including any restrictions on the country of origin, use/dual use nature of goods or services, including and disposition to end users; ☒ Confirmation that licenses of this nature have been obtained in the past and an expectation of obtaining all the necessary licenses should the quotation be selected; ☒ Quality Certificates (ISO, etc.); ☒ Latest Business Registration Certificate; ☒ Latest Internal Revenue Certificate /Tax Clearance; ☒ Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer); ☒ Certificate of Exclusive Distributorship in the country (if applicable, and if Supplier is not the manufacturer); ☒ Complete documentation, information and declaration of any goods classified or may be classified as "Dangerous Goods". ☒ Patent Registration Certificates (if any of technologies submitted in the quotation is patented by the Supplier); ☒ Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;

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[1] Local vendors must comply with any applicable laws regarding doing business in other currencies. Conversion of currency into the UNDP preferred currency, if the offer is quoted differently from what is required, shall be based only on UN Operational Exchange Rate prevailing at the time of UNDP's issuance of Purchase Order.

[2] This must be reconciled with the INCO Terms required by the RFQ. Furthermore, VAT exemption status varies from one country to another. Pls tick whatever is applicable to the UNDP CO/BU requiring the goods.

[3] First 2 items in this list are mandatory for the supply of imported goods

	☒ **Financial Proposal** that indicates the all-inclusive fixed total contract price, supported by a breakdown of costs.
Period of Validity of Quotes starting the Submission Date	☒ 120 days In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation.
Partial Quotes	☒ Not permitted
Payment Terms	✓ 100% upon complete delivery of goods
Liquidated Damages	✓ Will be imposed under the following conditions: Percentage of contract price per day of delay: 1% Max. no. of days of delay: 10 calendar days Next course of action: terminate the contract
Evaluation Criteria *[check as many as applicable]*	✓ Technical responsiveness/Full compliance to requirements and lowest price[4] ✓ Comprehensiveness of warranty and after-sales services ✓ Full acceptance of the PO/Contract General Terms and Conditions *[this is a mandatory criterion and cannot be deleted regardless of the nature of services required]* ✓ Earliest Delivery / Shortest Lead Time[5]
UNDP will award to:	✓ More than one supplier
Type of Contract to be Signed	✓ Purchase Order
Special conditions of Contract	✓ Cancellation of PO/Contract if the delivery/completion is delayed by 10 days
Conditions for Release of Payment	✓ Written Acceptance of Goods based on full compliance with RFQ requirements

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[4]*UNDP reserves the right not to award the contract to the lowest priced offer, if the second lowest price among the responsive offer is found to be significantly more superior, and the price is higher than the lowest priced compliant offer by not more than 10%, and the budget can sufficiently cover the price difference. The term "more superior" as used in this provision shall refer to offers that have exceeded the pre-determined requirements established in the specifications.*
[5]*This shall be used for time-critical and/or exigent requirements (e.g., post-crisis emergencies,elections,etc.).*

Annexes to this RFQ	✓ Specifications of the Goods Required (Annex 1) ✓ Form for Submission of Quotation (Annex 2) ✓ General Terms and Conditions / Special Conditions (Annex 3). Non-acceptance of the terms of the General Terms and Conditions(GTC) shall be grounds for disqualification from this procurement process.
Contact Person for Inquiries (Written inquiries only)[6]	The UNDP focal point for the arrangement is: Mr. B. Tsetsenbaatar Address: UN House, 12 UN Street, SB district, Ulaanbaatar Telephone: 976-11-327585 ext.1156 Facsimile: 976-11-326221 E-mail: bids.mn@undp.org Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.

Goods offered shall be reviewed based on completeness and compliance of the quotation with the minimum specifications described above and any other annexes providing details of UNDP requirements.

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail, and the total price shall be corrected. If the supplier does not accept the final price based on UNDP's re-computation and correction of errors, its quotation will be rejected.

After UNDP has identified the lowest price offer, UNDP reserves the right to award the contract based only on the prices of the goods in the event that the transportation cost (freight and insurance) is found to be higher than UNDP's own estimated cost if sourced from its own freight forwarder and insurance provider.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent

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[6]*This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was received.*

(25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Purchase Order that will be issued as a result of this RFQ shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP herein attached as Annex 3.

UNDP is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process. **In the event that** you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:
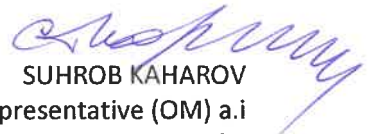http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/

UNDP encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link: http://www.un.org/depts/ptd/pdf/conduct_english.pdf

Thank you and we look forward to receiving your quotation.

Sincerely yours,

SUHROB KAHAROV
Assistant Resident Representative (OM) a.i
UNDP Mongolia

Technical Specifications

Name of item: PIE-UAV (Mapping version) Software

Function:
Project management; Pre-processing; Tie points matching with GPU; Free network adjustment; Camera auto-calibration; Control points import, and pin points edit; Absolute orientation; Regional network adjustment with local control information; Aerial triangulation combining of differential GPS; Dense point clouds matching; DSM generation by point clouds interpolation; DEM generation by filtering; Earthworks estimation; Unifier color of image mosaicking; Ture-DOM outputs etc.

Required functions:
- Generate DOM mosaicking with unified color by one-click;
- Implement ortho-rectification by applying aerial triangulation for interpolation of point clouds fast and effective and with normal quality;
- The DOM sampling rate can be adjusted to control the resolution and efficiency of the fast mosaicking.
- Control points can be imported and edited for absolute orientation and regional network adjustments with local control information, which result in the adjustable absolute accuracy of the output DSM and DOM. The accuracy can meet the mapping requirements from 1:500 to 1:5000 ;
- It is optional to apply differential GPS in assisting aerial triangulation when differential POS data is available, thus can adjust the absolute accuracy of the DSM and DOM, which can be up to the decimeter level without control information ;

Quantity: 15 standalone user licenses

Delivery point: UNDP in Mongolia, licenses should be generated given 15 different governmental provincial organization's names.

Delivery deadline: 16th of August

License duration: Permanent use
/Free upgrade and maintenance for 1 year/

Prepared by: *Chuluuntsetseg.U* Chuluuntsetseg.U /AFO, DIM
Projects/

Approved by: *(signature)* Suhrob Kaharov /ARR/ ⌐ .ᴗ .

Description of the Key Methods in PIEUAV

1.Fully automatic high-precision registration method for visible optical remote sensing images of drone

The description and detection of local image features can help identify objects. SIFT features are based on the local appearance of interest on the object regardless of the size and rotation of the image. The tolerance for changes in rays, noise, and some minor angles of view is also quite high. Based on these characteristics, they are highly significant and relatively easy to retrieve. In a large number of feature databases, it is easy to identify objects with a high correctness. Using the SIFT feature description, the detection rate for partial object occlusion is also quite high, and even at least three SIFT object features are sufficient to calculate the position and orientation of the image. With today's computer hardware performance and the compact feature database, the near real time recognition can be achieved. SIFT is very suitable for fast and accurate matching in the massive databases due to its rich feature information presented.

SIFT algorithm is to find key points (feature points) in different scale spaces and calculate the direction of key points. The key points found by SIFT are some very salient points that will not change due to light, affine transformations, and noise, such as corner points, edge points, bright spots in dark areas, and dark spots in bright areas. The SIFT algorithm is characterized by its stability, uniqueness, versatility, high speed, and scalability.

2.Large-scale automatic aerial triangulation method based on sparse matrix

The number of non-zero elements in the matrix is much smaller than the total number of matrix elements, and the distribution of non-zero elements is not regular, then the matrix is called a sparse matrix. The difference is that if there is a regular distribution of non-zero elements (such as triangular matrix, lower triangular matrix, symmetrical matrix), then the matrix is called a special matrix.

It is much fast to calculate sparse matrix because MATLAB only operates non-zero elements, which is a salient advantage of sparse matrix. Assume that matrix in matrix A and B are the same. Calculating 2*A requires one million floating-point operations while calculating 2*B requires only 2,000 floating-point operations. Because MATLAB cannot automatically create sparse matrix, special commands are used to obtain sparse matrix. For a sparse matrix Amn stored in a two-dimensional array, if it is assumed that each array element needs to store L bytes, m*n*L bytes are needed to store the entire matrix. However, most of these storage spaces store element 0, resulting in a lot of space waste. To save storage space, only non-zero elements can be stored. For each element aij of the matrix Amn, knowing its row number i and column number j can determine its position. Therefore, for a sparse matrix, a node can be used to store a non-zero element.

3. Automatic extraction of dense Digital Surface Model(DSM)

The input of stereo vision matching is the image collected by several cameras with different viewing angles, the output is the corresponding relation of points on these images. c and c' are the optical centers of the two cameras, f is the focal length, and B is the line connecting the two optical centers, also known as the baseline.The line that passes through the optical center and is perpendicular to the image plane is called the optical axis. Standard configuration means that the optical axis of two cameras is perpendicular to the baseline and parallel to each other. Assuming that the focal lengths of the two cameras are equal, and the horizontal coordinate of the camera coordinate system is parallel to the baseline direction, the image formed by the space point P on the two cameras has the same vertical coordinate. This feature is also called epipolar line constraint of stereo vision. Epipolar line refers to the intersection of the epipolar plane and the image plane, where the epipolar plane is containing two focal points and spatial point. For general configuration cameras, the image in the standard configuration can be obtained by camera calibration and registration.

When the baseline and focal length are fixed, that is, the parameters of the camera, the relative position and orientation between the cameras are fixed, the parallax is inversely proportional to the depth of the points in space. Therefore, it is only necessary to know the parallax to obtain the depth of the object, so the stereoscopic vision matching can be defined as solving the parallax according to the images from different cameras.

4. Seamless Image Mosaic

In order to mosaic a large number of ortho-photoimages automatically, we adopt the method of automatic generation and optimization of Voronoi graph seam line network in overlapping areas. When generating the seam line network, this method first generates the global initial seam line network based on the overlap region Voronoi graph, and then uses the image content of the overlap region for optimization. The seam line network divides each ortho-image coverage into effective mosaic polygons. This division is unique, non-redundant, and seamless. The algorithm is parallel, and the effective mosaic polygons of each ortho-image are only related to the overlapped ortho-image. The application of the seam line network ensures the flexibility and efficiency of the mosaic processing, so that the mosaic processing can obtain the final mosaic result directly and avoid the generation of intermediate results, which is irrelevant to the order of the images and is very suitable for a wide range of seamless image mosaic processing.

While searching for optimal seam line automatically, the seam line can be manually modified so that the quality of the image mosaic can be controlled by manual interaction. In order to achieve the consistency of the hue, the feather template is adopted to process the hue of the mosaic image.

FORM FOR SUBMITTING SUPPLIER'S QUOTATION[7]
(This Form must be submitted only using the Supplier's Official Letterhead/Stationery[8])

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No. MNG/RFQ/18/002:

TABLE 1 : Offer to Supply Goods Compliant with Technical Specifications and Requirements

Item No.	Description/Specification of Goods	Quantity	Latest Delivery Date	Unit Price	Total Price per Item
	Total Prices of Goods[9]				
	Add: Cost of Transportation				
	Add: Cost of Insurance				
	Add: Other Charges (pls. specify)				
	Total Final and All-Inclusive Price Quotation				

TABLE 2 : Estimated Operating Costs

List of Consumable Item/s(Include fast moving parts, if any)	Estimated Average Consumption	Unit of Measure	Unit Price	Total Price per Item

TABLE 3 : Offer to Comply with Other Conditions and Related Requirements

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[7]*This serves as a guide to the Supplier in preparing the quotation and price schedule.*

[8] *Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes*

[9]*Pricing of goods should be consistent with the INCO Terms indicated in the RFQ*

Other Information pertaining to our Quotation are as follows :		No, we cannot comply	If you cannot comply, pls. indicate counter proposal
Your Responses			
	Yes, we will comply		
Delivery Lead Time			
Estimated weight/volume/dimension of the Consignment:			
Country/ies Of Origin :			
Warranty and After-Sales Requirements			
Training on Operations and Maintenance			
Minimum one (1) year warranty on both parts and labor			
Service Unit to be Provided when the Purchased Unit is Under Repair			
Brand new replacement if Purchased Unit is beyond repair			

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

[Name and Signature of the Supplier's Authorized Person]
[Designation]
[Date]

General Terms and Conditions

1.   ACCEPTANCE OF THE PURCHASE ORDER

This Purchase Order may only be accepted by the Supplier's signing and returning an acknowledgement copy of it or by timely delivery of the goods in accordance with the terms of this Purchase Order, as herein specified.   Acceptance of this Purchase Order shall effect a contract between the Parties under which the rights and obligations of the Parties shall be governed solely by the terms and conditions of this Purchase Order, including these General Conditions.   No additional or inconsistent provisions proposed by the Supplier shall bind UNDP unless agreed to in writing by a duly authorized official of UNDP.

2.   PAYMENT

2.1 UNDP shall, on fulfillment of the Delivery Terms, unless otherwise provided in this Purchase Order, make payment within 30 days of receipt of the Supplier's invoice for the goods and copies of the shipping documents specified in this Purchase Order.

2.2 Payment against the invoice referred to above will reflect any discount shown under the payment terms of this Purchase Order, provided payment is made within the period required by such payment terms.

2.3 Unless authorized by UNDP, the Supplier shall submit one invoice in respect of this Purchase Order, and such invoice must indicate the Purchase Order's identification number.

2.4 The prices shown in this Purchase Order may not be increased except by express written agreement of UNDP.

3.   TAX EXEMPTION

3.1   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 utilities services, and is exempt from customs 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 UNDP's exemption from such taxes, duties or charges, the Supplier shall immediately consult with UNDP to determine a mutually acceptable procedure.

3.2 Accordingly, the Supplier authorizes UNDP to deduct from the Supplier's invoice any amount representing such taxes, duties or charges, unless the Supplier has consulted with UNDP before the payment thereof and UNDP has, in each instance, specifically authorized the Supplier to pay such taxes, duties or charges under protest. In that event, the Supplier shall provide UNDP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized.

4.   RISK OF LOSS

Risk of loss, damage to or destruction of the goods shall be governed in accordance with Incoterms 2010, unless otherwise agreed upon by the Parties on the front side of this Purchase Order.

5. EXPORT LICENCES

Notwithstanding any INCOTERM 2010 used in this Purchase Order, the Supplier shall obtain any export licences required for the goods.

6. FITNESS OF GOODS/PACKAGING

The Supplier warrants that the goods, including packaging, conform to the specifications for the goods ordered under this Purchase Order and are fit for the purposes for which such goods are ordinarily used and for purposes expressly made known to the Supplier by UNDP, and are free from defects in workmanship and materials. The Supplier also warrants that the goods are contained or packaged adequately to protect the goods.

7. INSPECTION

7.1 UNDP shall have a reasonable time after delivery of the goods to inspect them and to reject and refuse acceptance of goods not conforming to this Purchase Order; payment for goods pursuant to this Purchase Order shall not be deemed an acceptance of the goods.

7.2 Inspection prior to shipment does not relieve the Supplier from any of its contractual obligations.

8. INTELLECTUAL PROPERTY INFRINGEMENT

The Supplier warrants that the use or supply by UNDP of the goods sold under this Purchase Order does not infringe any patent, design, trade-name or trade-mark. In addition, the Supplier shall, pursuant to this warranty, indemnify, defend and hold UNDP and the United Nations harmless from any actions or claims brought against UNDP or the United Nations pertaining to the alleged infringement of a patent, design, trade-name or trade-mark arising in connection with the goods sold under this Purchase Order.

9. RIGHTS OF UNDP

In case of failure by the Supplier to fulfil its obligations under the terms and conditions of this Purchase Order, including but not limited to failure to obtain necessary export licences, or to make delivery of all or part of the goods by the agreed delivery date or dates, UNDP may, after giving the Supplier reasonable notice to perform and without prejudice to any other rights or remedies, exercise one or more of the following rights:

9.1 Procure all or part of the goods from other sources, in which event UNDP may hold the Supplier responsible for any excess cost occasioned thereby.
9.2 Refuse to accept delivery of all or part of the goods.
9.3 Cancel this Purchase Order without any liability for termination charges or any other liability of any kind of UNDP.

10. **LATE DELIVERY**

Without limiting any other rights or obligations of the parties hereunder, if the Supplier will be unable to deliver the goods by the delivery date(s) stipulated in this Purchase Order, the Supplier shall (i) immediately consult with UNDP to determine the most expeditious means for delivering the goods and (ii) use an expedited means of delivery, at the Supplier's cost (unless the delay is due to Force Majeure), if reasonably so requested by UNDP.

11. **ASSIGNMENT AND INSOLVENCY**

11.1. The Supplier shall not, except after obtaining the written consent of UNDP, assign, transfer, pledge or make other disposition of this Purchase Order, or any part thereof, or any of the Supplier's rights or obligations under this Purchase Order.

11.2. Should the Supplier become insolvent or should control of the Supplier change by virtue of insolvency, UNDP may, without prejudice to any other rights or remedies, immediately terminate this Purchase Order by giving the Supplier written notice of termination.

12. **USE OF UNDP OR UNITED NATIONS NAME OR EMBLEM**

The Supplier shall not use the name, emblem or official seal of UNDP or the United Nations for any purpose.

13. **PROHIBITION ON ADVERTISING**

The Supplier shall not advertise or otherwise make public that it is furnishing goods or services to UNDP without specific permission of UNDP in each instance.

14. **CHILD LABOUR**

The Supplier represents and warrants that neither it nor any of its affiliates is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral or social development.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

15. **MINES**

The Supplier represents and warrants that neither it nor any of its affiliates is actively and directly engaged in patent activities, development, assembly, production, trade or manufacture of mines or in such activities in respect of components primarily utilized in the manufacture of Mines. The term "Mines" means those devices defined in Article 2, Paragraphs 1, 4 and 5 of Protocol II annexed to the Convention on Prohibitions and Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects of 1980.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

16.   SETTLEMENT OF DISPUTES

16.1   Amicable Settlement. The Parties shall use their best efforts to settle amicably any dispute, controversy or claim arising out of, or relating to this Purchase Order 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 UNCITRAL Conciliation Rules then obtaining, or according to such other procedure as may be agreed between the Parties.

16.2   Arbitration.   Unless, any such dispute, controversy or claim between the Parties arising out of or relating to this Purchase Order or the breach, termination or invalidity thereof is settled amicably under the preceding paragraph of this Section within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, such dispute, controversy or claim shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining, including its provisions on applicable law. The arbitral tribunal shall have no authority to award punitive damages. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

17.   PRIVILEGES AND IMMUNITIES

Nothing in or related to these General Terms and Conditions or this Purchase Order shall be deemed a waiver of any of the privileges and immunities of the United Nations, including its subsidiary organs.

18.   SEXUAL EXPLOITATION:

18.1   The Contractor shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by it or by any of its employees or any other persons who may be engaged by the Contractor to perform any services under the Contract. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, shall constitute the sexual exploitation and abuse of such person. In addition, the Contractor shall refrain from, and shall take all appropriate measures to prohibit its employees or other persons engaged by it from, exchanging any money, goods, services, offers of employment or other things of value, for sexual favors or activities, or from engaging in any sexual activities that are exploitive or degrading to any person. The Contractor acknowledges and agrees that the provisions hereof constitute an essential term of the Contract and that any breach of this representation and warranty shall entitle UNDP to terminate the Contract immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind.

18.2   UNDP shall not apply the foregoing standard relating to age in any case in which the Contractor's personnel or any other person who may be engaged by the Contractor to perform any services under the Contract is married to the person less than the age of eighteen years with whom sexual activity has occurred and in which such marriage is

recognized as valid under the laws of the country of citizenship of such Contractor's personnel or such other person who may be engaged by the Contractor to perform any services under the Contract.

19.0   OFFICIALS NOT TO BENEFIT:

The Contractor warrants that no official of UNDP or the United Nations has received or will be offered by the Contractor any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of this Contract.

20.   AUTHORITY TO MODIFY:

Pursuant to the Financial Regulations and Rules of UNDP, only the UNDP Authorized Official possess the authority to agree on behalf of UNDP to any modification of or change in this Agreement, to a waiver of any of its provisions or to any additional contractual relationship of any kind with the Contractor. Accordingly, no modification or change in this Contract shall be valid and enforceable against UNDP unless provided by an amendment to this Agreement signed by the Contractor and jointly by the UNDP Authorized Official.