

**Nepal Electricity Authority**  
Distribution Consumer Services Directorate  
Planning and Technical Service Department  
Smart Metering Smart Grid Project

Tender No. NEA/DCSD/PTSD/MSG/ICB/078/79-01" (Supply, Delivery, Installation, Testing and Commissioning of Three Phase Four Wire Smart Energy Meter and Integration with Existing AMR/AMI System of NEA )  
Clarification on Queries of the prospective Bidders (Clarification No. 1)

| NO. | Reference                                                                                                                                                                     | Page | Bid Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Queries                                                                                                                                                                  | Clarification from NEA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 1   | A. The overall system shall be the core application for interface to the Three Phase 4Wire AC Whole Current Smart Energy Meter & shall be able to perform following functions | 5-7  | Postpaid or Pre-paid Metering using external Keypad Unit or Web/Mobile applications.                                                                                                                                                                                                                                                                                                                                                                                | Please Specify the standard or functions of Prepayment in details.                                                                                                       | Postpaid or Pre-paid Metering facility shall be available using Consumer User Interface(CUI) Unit as well as using Web/Mobile applications.                                                                                                                                                                                                                                                                                                                                                             |
| 2   | SM-1.7 Basic Features                                                                                                                                                         | 5-8  | h) Multiple load control relay configurations                                                                                                                                                                                                                                                                                                                                                                                                                       | Please Specify multiple load control relay configurations in details.                                                                                                    | Shall provide different configuration for relay control function for Load limiter in kVA as well Current limiter in Ampere as mentioned in the specification                                                                                                                                                                                                                                                                                                                                            |
| 3   | 9. Current Active and Reactive Power                                                                                                                                          | 5-30 | Meter measures and displays instantaneous active and reactive power of critical and non- critical loads separately in all four quadrants on request.                                                                                                                                                                                                                                                                                                                | Please Specify instantaneous active and reactive power of critical and non- critical loads, and the detail parameters of requirement.                                    | Detail parameter for critical and non-critical loads shall be finalized with the successful Bidder to meet the NEA requirement. The bidder shall provide the Smart Energy Meter as mentioned for measuring and displaying the instantaneous active and reactive power of critical load separately in all four quadrants.                                                                                                                                                                                |
| 4   | 26. Mechanical and Constructional Requirements:                                                                                                                               | 5-35 | The meter shall be compatible to work Post-paid as well as in Pre-paid mode. The meter shall have M-bus interface ready to connect Customer Interface Unit (CIU) in case meter is using prepaid mode.                                                                                                                                                                                                                                                               | In the price schedule, did not mention the relevant information of CIU, do we need to provide the CIU with 150000nos.                                                    | No need to provide CIU unit for each smart meter but The bidder shall provide one no. of CIU along with the sample meter to demonstrate the pre-paid function of the meter.                                                                                                                                                                                                                                                                                                                             |
| 5   | j) Phase Voltage in Neutral                                                                                                                                                   | 5-58 | Phase Voltage in Neutral: Meter shall record energy accurately in case same voltage is given to any phase as well as neutral and load is drawn from that phase only and no load is drawn from the remaining two phases. For the purpose of recording/computation of energy corresponding phase voltage shall be taken as Vref (i.e., 230 V), power factor (PF) as unity power factor (UPF) and current shall be taken as actual current flowing through that phase. | In this condition, the meter records the voltage phase break event and measures energy according to the actual voltage and current. Whether it will be accepted.         | Bidder Understanding is correct. Further the Smart Energy Meter shall record the actual energy consumption.                                                                                                                                                                                                                                                                                                                                                                                             |
| 6   | 16. Software Acceptance Testing                                                                                                                                               | 5-80 | The bidder must design and implement an End-to-End Integrated AMI solution and interoperable architecture clearly depicting integration between Smart Meters, Head-End System (HES), Meter Data Management System (MDMS) and other supporting applications. The bidder needs to carry out the integration of AMI system with existing/upcoming MBC system of NEA.                                                                                                   | Kindly provide HES system technical specifications. Please clarify whether NEA provides AMI system integration fees, which are not included in this project's quotation. | Bidder or his representative can inspect the existing HES and get the required information. Details shall be provided to the successful bidder after contract signing. All costs related to integration with existing AMI/HES, MDM, Core Billing System should be done by bidder on their own cost as mentioned in specifications and price schedule; Page No. 182, Price Schedule for Installation, Integration and Annual Maintenance, B. Installation, Integration and Annual Maintenance, S.No. 2.) |

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| 7  | 3. General Constructional Requirement     | 5-98 | <p>The width, height and depth of meter box shall be at least 325mm (Width) x 495mm (Height) x 120mm (Depth) suitable and designed to adequately fit the 3-Phase Whole Current Smart Energy Meters with all the accessories with ample space all the sides for easy installation and removal of meter.</p> <p>Thickness of the enclosure shall not be less than 4.0mm on all sides including door. The enclosure shall have 6.0mm thickness of the tongue and groove area. There should be a minimum 50mm clearance on all sides from the meter surface (projected) except the bottom side which should be minimum 200mm from the lower edge of terminal block. Also, the meter mountings inside the meter box will be such that the meter base</p> | <p>The required size of the meter box is too large, which causes obvious waste and increases the bidding cost.</p> <p>Thickness of the enclosure shall not be less than 4.0mm on all sides including door, which may be unnecessary. According to our experience, meter boxes with thickness of 2.2mm are used throughout China, which can guarantee that three people can stand on it without being damaged. Considering the situation in Nepal, we believe that the requirement of this large size and over thickness will increase the usage of materials and make the installation more difficult.</p> <p>Kindly recommend reducing the thickness.</p> | Please follow the given specification and dimension for meter box.                                                                          |
| 8  | 28. Hyper Converged Infrastructure Server | 117  | <p>The proposed solution should be listed in leader's quadrant atleast once since last three years Gartner Report for Hyperconverged Infrastructure or equivalent.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>For the HCS System this request already removed so for hardware should also remove. This requirement should be deleted.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Please follow the Amendment No. 3                                                                                                           |
| 9  |                                           | 117  | <p>The proposed solution should support any leading Virtualization Software's, VMware ESXi OR Microsoft Hyper-V OR open KVM &amp; XenServer or equivalent. HCI solution must support industry leading protocols NFS, iSCSI &amp; SMB or equivalent. Proposed solution should support seamless integration with existing HCI cluster and expanded resources of CPU, Memory, Storage.</p>                                                                                                                                                                                                                                                                                                                                                             | <p>This software request should be decided by meter system provide</p> <p>Change to:<br/>The proposed solution should support any leading Virtualization Software's, VMware ESXi OR Microsoft Hyper-V OR open KVM &amp; XenServer or equivalent.</p>                                                                                                                                                                                                                                                                                                                                                                                                       | The requirement shall remain same as mentioned in the technical specification.                                                              |
| 10 |                                           | 118  | <p>The offered solution should support native File Services (File Server) over NFS/CIFS/SMB and file replication across clusters and data centers as file server will provide shared folder features to the users.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>This software request should be decided by meter system provide</p> <p>This software request should be deleted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | The bidder should provide any software to provide mentioned feature in their offered HCI Server. Please follow the mentioned Specification. |
| 11 |                                           | 119  | <p>Proposed solution should provide granular control and governance across VM to VM traffic or VMs predefined Group/ Department (capable of securing one VM to another VM).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>This software request should be decided by meter system provide</p> <p>Change to:<br/>Supports virtual switches to ensure network quality by shaping received and sent traffic. At least the security group, average bandwidth, peak bandwidth, burst size, priority, DHCP isolation, broadcast suppression, and TCP checksum are supported.</p>                                                                                                                                                                                                                                                                                                        | The bidder shall offer a solution having all the mentioned features and facilities specified in technical Specification.                    |
| 12 |                                           | 119  | <p>Proposed solution should integrate with L2/L3 network device with API call function for all required network configuration (L2/L3) with VM Life cycle.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>This software request should be decided by meter system provide</p> <p>This requirement should be deleted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.                              |
| 13 |                                           | 119  | <p>Platform must provide management through a webbased HTML 5 console. Must provide storage, compute &amp; hypervisor metrics on a per VM level as well as health and monitoring of entire platform. Platform should support LDAP Active Directory integration</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>This software request should be decided by meter system provide</p> <p>Change to:<br/>Platform must provide management through a webbased HTML 5 console. Must provide storage, compute &amp; hypervisor metrics on a per VM level as well as health and monitoring of entire platform. Platform should support Active Directory integration</p>                                                                                                                                                                                                                                                                                                        | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.                              |
| 14 |                                           | 119  | <p>The solution should have catalogue of private as well as public cloud services, spanning all the targeted cloud environments and should support self-service provisioning capabilities, which will reduce management complexity.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>This software request should be decided by meter system provide</p> <p>This requirement should be deleted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.                              |



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| 15 |                                                                                                                                                                                   | 120 | The proposed HCI solution should support data at rest encryption any specialized hardware                                                                                                                                                                                                                                                                                                                                                                                                | This software request should be decided by meter system provide<br>Change to:<br>The proposed HCI solution should support data at rest encryption any specialized hardware or SED (self-encryption disk)                                                                                                                                                                                      | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |
| 16 |                                                                                                                                                                                   | 120 | The solution should support out of the box security compliance for proposed HCI solution to ensure highly secure HCI environment. Solution should have at list industry three or more certifications. (e.g., NIST, FIPS140-2, EAL2 CCC-Common Criteria Certified, DISA- approved STIG)                                                                                                                                                                                                   | This software request should be decided by meter system provide<br>Change to:<br>The solution should support out of the box security compliance for proposed HCI solution to ensure highly secure HCI environment. Solution should have at list industry three or more certifications. (e.g., FCC, NIST, FIPS140-2, NRTL-UL/ MET/ETL/EAL2 CCC-Common Criteria Certified, DISA- approved STIG) | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |
| 17 |                                                                                                                                                                                   | 160 | HIPS Services                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |
| 18 |                                                                                                                                                                                   | 160 | Ensure that patches/work arounds for identified vulnerabilities shall be patched / blocked immediately.                                                                                                                                                                                                                                                                                                                                                                                  | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |
| 19 |                                                                                                                                                                                   | 161 | Monthly Vulnerability Assessment: Access server for vulnerabilities locally using automated scanning and manual assessment.<br>Half Yearly Penetration Testing: The bidder shall perform penetration testing to ensure the following: Create a hacker's view of the server, in terms of the ways it can be hacked from outside. Identify security vulnerabilities and fix holes discovered. Implement emergency quick fix solutions and long-term solutions against successful exploits. | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as specified in technical Specification. |
| 20 |                                                                                                                                                                                   | 161 | Properly implementing anti-malware and host-based intrusion detection systems on their instances, as well as any required network-based intrusion detection systems in accordance with NEA policy.<br>Conducting regular vulnerability scanning and penetration testing of the systems, as mandated by NEA policy.                                                                                                                                                                       | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification               |
| 21 |                                                                                                                                                                                   | 162 | Remote access by the bidder will only be performed using technology authorized by NEA.<br>Any data interfaces implemented or built by the bidder will be required to have encryption and authentication (strong authentication when possible.)<br>Files containing NEA information shall be transferred using encrypted file transfer techniques agreed upon by both parties.                                                                                                            | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |
| 22 | 43. Head End System (HES), Base Computer Software (BCS), Mobile Application (Mobile APP) Software and Enhancement of existing Meter Data Management System (MDMS) Software Works: | 162 | Incident Response<br>The bidder shall do the analysis of application and network incidents, do post-incident reporting and implement practices to ensure rapid response to attacks.<br>The bidder shall do a proactive review of incident response plan to improve incident response time and implement continuous improvement process to strengthen overall effectiveness of security.                                                                                                  | This software request should be decided by meter system provide This requirement should be deleted                                                                                                                                                                                                                                                                                            | The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.              |

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| 23 |           | 163 | <p>The bidder shall define and implement highest level of access governance. The purpose of this solution is to have an enhanced user role security where access shall be restricted to only authorized users with multi-factor or two-factor authentication.</p> <p>Security Audit that include (but not limited to) vulnerability assessment, penetration testing, application security assessment API testing and Mobile application assessment biannually for entire infrastructure. Implementation of information security controls and perform periodic assessment.</p> <p>Secure Configuration Review: Third Party Agency shall review the security configuration AMI/HES/MDM Enhancement System and provide the detailed report that include the recommendations for remedial actions and submit the results to NEA. In case any major external issue like "Security threat" Or "Cyber Security Incident" occurred due to failure or lack of necessary IT/Cyber Security measures by SI then it will be the responsibility of the bidder to recover all the utility data and systems without loss of any data and business operation. Such incidents of grave magnitude which may result in loss of data, utility business or public image may attract the penalty of at least a quarterly payment or part there-off.</p> | <p>This software request should be decided by meter system provide.</p> <p>Change to:<br/>The bidder shall define and implement highest level of access governance. The purpose of this solution is to have an enhanced user role security</p>                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.</p>                                                                                       |
| 24 |           | 163 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>This software request should be decided by meter system provide This requirement should be deleted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.</p>                                                                                       |
| 25 |           | 164 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>This software request should be decided by meter system provide This requirement should be deleted</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>The bidder shall offer a solution having all the mentioned features and facilities as technical Specification.</p>                                                                                       |
| 1  | P81&P181  |     | <p>1. Please clarify Who is responsible for developing the existing HES and MDM software as required during integration and enhancement?</p> <p>2. HES/AMI system is not included in page 81 work requirement and page 181 price schedule for supply, please clarify HES/AMI system should be supplied or not?</p> <p>If yes, please update work requirement and price schedule for supply accordingly..</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <p>1. The contractor will be responsible for enhancing/scalable the existing HES and MDM system of NEA during integration in AMI System.</p> <p>Integration shall be done in existing enhancing/scalable HES/AMI Syte. Please refer to Page No. 81. WORK Requirement, Point No. b), c), e), f), g), h), i), j), k) &amp; p) and Page No. 182, Price Schedule for Installation, Integration and Annual Maintenance, B. Installation, Integration and Annual Maintenance, S.No. 2.)</p> <p>Please refer to Page No. 182, Price Schedule for Installation, Integration and Annual Maintenance, B. Installation, Integration and Annual Maintenance, S.No. 2.)</p> |                                                                                                                                                                                                             |
| 2  | P120      |     | <p>Shall include 24x7x365 days infrastructure maintenance and support for all hardware and software components of the proposed solution, including updates and patches as well as technical support available via telephone, email, and web during all hours (24 hours per day, 365 days per year)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>Document Page 5-11, Item No.12.1 warranty &amp; support services shall include 24x7x365days infrastructure maintenance and support for all hardware and software components of the proposed solution, here "24x7x365days" means 24 hours/day, 7days/week, 365days/year?</p> <p>Document Page 5-86 &amp; Page 8-3, regarding the defect liability and annual maintenance service, it means:</p> <p>a. the defect liability period for 150000 smart Meters be Five and half years after the issuance of work completion certificate?</p>                                                                                                                      | <p>Bidders understanding is correct</p>                                                                                                                                                                     |
| 3  | P165&P280 |     | <p>The Bidder shall provide 3 (Three) years of annual maintenance service (AMC) contract after completion of the implementation of the installation works of the smart meters, during which time the issues/bugs and patches for the complete system should be updated / fixed without any extra charges. AMC shall start only after completion of defect liability period.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>b. the work completion certificate will be issued within 730days from the date of commencement date.</p> <p>c. After the defect liability expired, the bidder shall quote three years of annual maintenance service</p> <p>Please clarify how long time is defect liability period?</p>                                                                                                                                                                                                                                                                                                                                                                     | <p>Please follow Amendment No. 3</p> <p>Yes, work completion certificate shall be issued after completion of the works as specified.</p> <p>Follow the Amendment No.3</p> <p>Follow the Amendment No. 3</p> |
| 4  | P169      |     | <p>a. The Meters should be supplied to the project in Three Lots and each lot should consist of 50000 (Thirty Thousand) Meters.</p> <p>b. Each Lot of Meters should be delivered in three months' time and the first lot should be delivered after three months of the manufacturing order.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Document Page 5-90 Item 54, the 150000pcs should be divided into three Lots for delivering, which means 50000pcs for each lot and first Lot shall be delivered in three months, while the second and third can be delivered in 6 months and 9 months?</p>                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Yes, 150000 meter shall delivered in three different lots of each 50000 numbers in every three months.</p>                                                                                               |



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| 5  | P182 | Installation of Three Phase 4 Wire AC Whole Current Smart Energy meters replacing old Three Phase 4 Wire AC Whole Current Electromechanical meters at consumer site with complete accessories like service cable, not bolt etc with commissioning and testing in all location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | In Price Schedule B Installation, Integration and Annual Maintenance, it mentioned S.N.1, it mentioned the accessories like service cable, not bolt. Could you please specify                                                                                                                                                                                                                                                                                                                                                                                             | In general the smart meter shall be located in the same place and position of existing Electro mechanical meter and the service cable is not required. The service cable may be required in the worst case where the GPRS signal is not available in the existing position of the Electro mechanical meter and required to change position of Smart Energy Meter for GPRS signal can be obtained. The incurred cost shall be included in schedule No. 2 of Price schedule Item No. 1.                                                                                                                                                                    |
| 6  | P143 | The type test report shall not be more than 3(three) years old. A Notarized Copy of the Type Test Certificate with Report with results shall be enclosed with the offer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | a. What is not bolt?<br>b. As the service cable shall be prepared by the supplier, please help to provide the cable specification and the length needed.<br>We can provide the KEMA certificate and test report which can be verified from the official web. But as our notarize authorization can't do the notarization for the test certificate from foreign country, can we just submit the KEMA certificate and report?                                                                                                                                               | This means required Screws, Nut & Bolts, Clamps, connecting wires etc.,<br>The maximum size of service cable will be maximum 50mm2 and the length as per repositioning of the meter.<br>Yes, this is accepted. However, the bidder must provide official website link of Type Testing Agency from where their submitted KEMA certificate & report can be checked and verified.                                                                                                                                                                                                                                                                           |
| 7  | P117 | 3.1.1 The proposed solution should support any leading Virtualization Software's, VMware ESX/ OR Microsoft Hyper-V OR open KVM & XenServer or equivalent. HCI solution must support industry leading protocols NFS, iSCSI & SMB or equivalent. Proposed solution should support seamless integration with existing HCI cluster and expanded resources of CPU, Memory, Storage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Does Nepal NEA already have its own HCI cluster?<br>If yes, please specify which brand of HCI cluster and who will provide and install the HCI operating system. It's the best that if Nepal NEA can suggest the brand of HCI server.                                                                                                                                                                                                                                                                                                                                     | Yes, NEA has been using existing HCI Clusters in its Data Center of Nutanix Brand.<br>The complete supply, installation and required shall be carried out by the bidder.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8  | P117 | 3.2.1 The proposed solution should provide hyperconverged software that allows delivery of enterprise-class storage services across any type of disks (SSD/SAS/NL/SAS) using latest x86 server infrastructures without dependency on a separate Storage Area Network & associated component such as SAN Switches & HBAs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Please clarify whether communication between HCI server nodes can be based on a separate storage area network or related components (such as SAN Switches and HBAs), as this will not only expand the choice of hardware devices, but also effectively ensure the scalability of devices in the future.                                                                                                                                                                                                                                                                   | The HCI Software platform should allow delivery of enterprise-class storage services across any type of disks (SSD/SAS/NL/SAS) using latest x86 server infrastructures without dependency on a separate Storage Area Network & associated component such as SAN Switches & HBAs.                                                                                                                                                                                                                                                                                                                                                                         |
| 9  | P131 | The bidder shall provide the Oracle Database Enterprise Edition for the existing AMI System of the NEA with One Year subscription of License and OEM Support. The Database is for 8 Processor. The Oracle (19 C) Database Enterprise Edition Relational Database System 8 processor Perpetual with License & Software Update License and OEM Support for 5 Years. The Oracle Database Enterprise Edition Database System License should be the Perpetual License should come with at least 5 years of OEM support. The proposed Enterprise Relational Database System shall support features like Multitenant, In-Memory, JASON support. The proposed Enterprise Relational Database System shall support performance tuning and diagnostics support. The proposed Enterprise Relational Database System shall support data optimization. The proposed Enterprise Relational Database System shall support cost-based optimization technique. The proposed Enterprise Relational Database System shall support cloud scale operation features. The proposed Enterprise Relational Database System shall provide NEA with a higher level of service at lower cost by automating routine administrative tasks and eliminating human error through: | Please indicate whether Oracle (19 C) Database Enterprise Relational Database System 8 Processor Perpetual License refers to 8 CPUs or 8 cores, as Oracle officially restricts database license requirements. If you are referring to the CPU, please also specify the specific model of the CPU (specific number of cores).                                                                                                                                                                                                                                              | Plz follow the Amendment No. 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10 | P81  | d. Provide user level operation and maintenance training in various distribution centers of NEA.<br>e. Provide Orientation and Hands-on training to a team of at least 2-3 officials of respective Branches to conduct Installation of New Smart Meters/ Replacement of existing Electro-Mechanical Meters with New Smart Meters using Mobile Application without any extra cost to NEA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | How many distribution centers would be involved in this project?<br>We would like NEA could provide a list of distribution center together with the amount of meters to be installed in each center, it is important to estimate the cost of installation.<br>Is it acceptable to require all 220 officers be trained together?<br>Does Viewer/Guest refer to consumer? We recommend to disable Viewer/Guest type due to security risk.<br>When the user logs in, generally choose one of the consumer ID and mobile number to fill in, it is ok to fill in one of these? | Please follow the NEA review book 2020/21 in the NEA Website "nea.org.np" for details of Distribution centers of NEA.<br>The scope of works shall cover entire Distribution Centers of NEA through-out the Country. Details will be provided to the successful bidder.<br>No. Field level and operation level training shall be provide at each distribution centers, System and software training shall be provided at the province and central office.<br>No. Viewer/Guest are not Consumer, they are normal operator with limited rights only.<br>No. All field including Consumer ID, Mobile Number, etc required to be filled up for Consumer Login |
| 11 | P164 | 44. Training to NEA Staff for Operation & Handling of overall System: The bidder shall provide training to operate and manage offered Smart Energy Meter System & related Software to 220 officers of NEA at different Branch Offices / Distribution Centers as required and shall provide handling support for a period equivalent of two billing cycles to ensure accuracy of the system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 12 | P156 | GUI to provide role-based access based on user identity and user role. Shall have following types of users: • Administrator • Operator • Field staff • Viewer/Guest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13 | P157 | User interface shall require consumer id, mobile number & password for secure login.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| 4  | 5-10<br>SM-2.7 | Easily integrate in system when pre-post mode of payment is active mode and vice versa with MDM.                                                                                                                                                                                                                                                                                                                                                                                                                  | How to active prepayment mode? Whether need MDMS send any payment mode switch command to meter or not? Or just set the payment mode in MDM side and no need send to meter?                                                                                                                                                                                                                               | The MDM Software shall have the facility to configure both Postpaid and Prepaid Mode. The methodology will be determined later.                                                                              |
| 5  | 5-35           | The meter shall be compatible to work Post-paid as well as in Pre-paid mode. The meter shall have <b>M-bus</b> interface ready to connect Customer Interface Unit (CIU) in case meter is using prepaid mode.                                                                                                                                                                                                                                                                                                      | Which type of M-BUS interface is required?<br>Two wires type M-BUS or a radio variant of M-BUS (Wireless M-BUS) which was specified in EN 13757-4.<br>What is the main propose of CIU? Whether CIU should support recharge token input or only support query meter data by customer.                                                                                                                     | M-Bus shall be 2 wired to connect CIU. CIU Must support recharge token to meter as well as query meter data by Consumer.                                                                                     |
| 6  | 5-8<br>SM-1.3  | Support remote load management by sending load curtailment signals that can be direct display/SMS/Web application.                                                                                                                                                                                                                                                                                                                                                                                                | Please clarify whether it require meter send SMS to MDMS for notifications or alarm? Or meter just push the signal to MDMS and MDMS will send SMS to administrator's or customer's mobile number?<br>Please clarify whether it require meter send Email/SMS to MDMS for notifications or alarm? Or meter just push the signal to MDMS and MDMS will send SMS to administrator or customer via Email/SMS? | The meter should support direct SMS command from any Mobile Phone (M2M) as well as SMS command from MDMS. Also MDMS shall have provision to send SMS to Administrator or Consumer for related information.   |
| 7  | 5-8<br>SM-1.5  | Detection, Notification, Resolve abnormal & tamper events and store the same with alert to NEA personnel via Email/SMS.                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                          | Meter should push the tamper event when that happens to MDMS and MDMS should send Alert Message to administrator or customer via Email & SMS.                                                                |
| 8  | 5-53           | The probe must have a Led indicator on Top body cover which must be blinking while sending and receiving data to & from meter.                                                                                                                                                                                                                                                                                                                                                                                    | We have own designed USB type Optical port cable but it is without LED indicator. Whether it also can be accepted or not?                                                                                                                                                                                                                                                                                | Please follow the Specification. LED is required to observe the communication status while reading & writing in meter using Optical Probe.                                                                   |
| 9  | 5-59           | Big Magnetic field (lower than 500mT meter accuracy class shall not effected and bigger than 500mT shall be recorded as tamper, Meter shall not be failed to magnetic fields-up to 500mT)                                                                                                                                                                                                                                                                                                                         | Please clarify the big magnetic field dimension , then we can design meter to conform this requirements.                                                                                                                                                                                                                                                                                                 | Follow the Amendment No. 3.                                                                                                                                                                                  |
| 10 | 5-60           | Meter shall have Nepalese Calendar including Leap year, Day light saving time, summer and Winter Clock and Tariffs for Normal days, Weekend, Public Holidays.                                                                                                                                                                                                                                                                                                                                                     | As we known Nepal don't use <b>Day light saving time</b> , please clarify whether meter should support <b>Day light saving time</b> or not?                                                                                                                                                                                                                                                              | Day Light saving time currently is not in practice in Nepal. However the facility of day light saving be provided for future use.                                                                            |
| 11 | 5-62           | It must support & execute <b>Pre-defined Set of SMS Commands</b> from authorized Mobile/SIM Numbers to send back various Data frames like Meter No, Current Nepali Calendar Date & Time, Telecom Operator Name, Working Mode of GPRS with Signal Level, Instantaneous Electrical Parameters, Meter and Modem Firmware Version, Monthly Billing Parameters (Tariff wise energy, demand), Consumer ID, Approved Load, IP Address & Port, Admin Number for Write Functions etc., back to SMS senders' Mobile Number. | Please send the <b>pre-defined set of SMS commands</b> to us. Or can we define it by ourselves?                                                                                                                                                                                                                                                                                                          | Final List of Pre-defined SMS Commands will be provided to successful bidder after Contract Signing. However, bidder can make its' own set of SMS command for demonstration purpose only for sample testing. |
| 12 | 5-64           | The bidder is fully responsible to design, develop and implement Fully Web-based Head End System (HES) as per Hierarchy of NEA with <b>NEA Data Models (Generic Profile Parameters)</b> as mentioned in RFP (Bid document) and integrate same further to Core Billing & Revenue Management System (CRMS) Software of NEA on their own resources and without any extra cost to NEA. All costs of study, analysis, design, development, integration and operational training must be already included by bidder.    | Please send the NEA Data Models (Generic Profile Parameters) to us then we can evaluate the workload of meter and system design, development.                                                                                                                                                                                                                                                            | Please follow the given specification and Data Models as mentioned in Page 5-22 to 5-29.                                                                                                                     |

|    |                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 13 | 5-74                                                          | <p>Prepaid Functionality</p> <p>The prepaid functionality can either be available in smart meter level or through MDMS. In case of MDMS, following shall apply</p> <p>i) The MDMS shall support pre-payment metering and capability to interface with pre-payment application.</p> <p>The aim of the above-mentioned interface standards is to ensure generic two-way interfacing of the MDM with third party applications. Employer shall provide all information of existing system for interfacing with MDM during implementation.</p> <p>ii) The prepayment shall support the system that payment and connection parameters are stored centrally, and the details are being updated to consumer web portal/ app.</p> <p>iii) <b>The system shall periodically monitor the energy consumption of prepaid consumer and decrease the available credit based on consumption.</b></p> <p>iv) The system shall send connect/disconnect command on available credit as per notified rules &amp; regulations.</p> <p>v) The system shall send low-credit notifications to the consumer when their balance approaches down to threshold.</p> | <p>As per this requirements we understand MDMS will deduct credit When prepaid mode is active. It means customer no need recharge meter through CIU. The recharge activity is happened at MDMS. So what is function of CIU? Please help clarify.</p>                                                                                                                                                                          | <p>Both option of deducting Credit in meter as well as in MDM should be available so that even smart meter remains not connected in GPRS Network (Offline Mode), it should deduct the credit. The consumer shall be able to use recharge token using CIU locally even meter is not connected with HES/MDM for some days.</p>                                                                                               |
| 2  | Section 5 – WRQ p. 5-2                                        | <p>g. Provide Base computer software (BCS) for Microsoft windows OS and android OS for ...</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>There is conflict between the two requirements, so that g. in p. 5-2 should be:</p> <p>g. Provide Base computer software (BCS) for Microsoft windows OS or android OS for ...</p> <p>Is it correct?</p>                                                                                                                                                                                                                    | <p>Please note that Base Computer Software (BCS) is required for Microsoft Windows OS and Android OS for Meter Reading and Programming for Offline Condition to be used Independently during meter installation/replacement works. However, HHU or CMRI is for manually downloading meter data and then further to upload to AMI/HES Server. Hence, these are 2 different Software Applications for different purpose.</p> |
| 3  | Section 5 – WRQ p. 5-2                                        | <p>First Paragraph, 1st sentence:</p> <p>The Mobile APP shall work on any Android/IOS based HHU/Mobile Phone ...</p> <p>Bullet 1, 2nd sentence:</p> <p>The Mobile APP shall work on any Android/IOS OS based HHU/Mobile Phone...</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>In order for HHU to meet these requirements as well as p. 5-53 Bullet 4, these two requirements should be read as:</p> <p>First Paragraph, 1st sentence:</p> <p>The Mobile APP shall work on any Android/IOS based HHU/Mobile Phone or Microsoft Windows based HHU ...</p> <p>Bullet 1, 2nd sentence:</p> <p>The Mobile APP shall work on any Android/IOS OS based HHU/Mobile Phone or Microsoft Windows based HHU ...</p> | <p>Bidders Understanding is correct. Please follow specification / features as mentioned in Page 5-67</p>                                                                                                                                                                                                                                                                                                                  |
| 4  | Section 5 – WRQ p. 5-2                                        | <p>j. The Smart Energy Meters shall support various direct SMS commands (in both cases when Smart Meter uses 4G communication infrastructure and RF communication infrastructure via Data Concentrator Unit) from ...</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>For the following items, who will bear the cost during project implementation period: the Bidder or the Employer?</p> <p>-SIM card</p> <p>-APN</p> <p>-Monthly cost (packet data / SMS)</p> <p>-VPN connection and usage</p>                                                                                                                                                                                               | <p>NEA will provide SIM card with required data and SMS package for Smart Meters.</p>                                                                                                                                                                                                                                                                                                                                      |
| 5  | Section 5 – WRQ, p. 5-37, 28. HCI Server Hardware Requirement | <p>1.1 Total Physical Cores: 120 cores 2.0GHz Intel Gold Processor or higher</p> <p>1.5 Minimum 3 nodes</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>Does it mean each node has 120 cores and there should be at least 3 nodes, i.e. at least 360 cores (120 cores/node * 3 nodes) or minimum 3 nodes has 120 cores, i.e. each node has 40 cores if 3 nodes are used?</p>                                                                                                                                                                                                       | <p>No, the total physical cores must be 120 cores with 3 Nodes.</p>                                                                                                                                                                                                                                                                                                                                                        |
| 6  | Section 5 – WRQ, p. 5-37, 28. HCI Server Hardware Requirement | <p>Price Schedule for Supply</p> <p>S.N 2 - Hyper converged Infrastructure(HCI Server) As per Specification - Nos - 1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Is the number of HCI Server one (1) or at least three (3)?</p>                                                                                                                                                                                                                                                                                                                                                             | <p>The bidder must provide 1 HCI Server with atleast 3</p>                                                                                                                                                                                                                                                                                                                                                                 |



|    |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Nodes.                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| 7  | Section 6 – Schedule of Activities<br>p. 181 Section VI-BOQ<br>p. 304                                  | 2 Electrical machinery apparatus equipment and consumables<br>SL No. 2 - Hyper Converged Infrastructure (HCI Server) as per<br>Specification – Nos - 1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Please provide the following information to get the<br>quotation for Oracle RDBMS:<br>-Processor: Vendor, model, number of cores<br>-Option packages for Oracle RDBMS EE (e.g.<br>Partitioning, RAC, ADG ...)                                                                                                                       | The requirement is clearly mentioned in the specification                                                                                                                                                                                                                                                                                                                                                                            |
|    | Section 5 – WRQ p. 5-52 1st &<br>2nd sentences<br>Section 6 – Schedule of Activities<br>p. 6-2, S.N. 4 | The Bidder shall provide the Oracle Database Enterprise Edition for the<br>existing AMI System of the NEA with One Year subscription of License<br>and OEM Support. The Database is for 8 Processor.<br><br>Oracle Database Enterprise Edition(19C)-Processor Perpetual with<br>software update License and OEM support for 1 year and eight<br>Processors<br><br>The Oracle (19C) Database Enterprise Edition Relational Database<br>System 8 processor Perpetual with License & Software Update License<br>and OEM Support for 5 Years.<br><br>Oracle Database Enterprise Edition(19C)-Processor Perpetual with<br>software update License and OEM support for 1 year and eight<br>Processors |                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 8  | Section 5 – WRQ<br>p. 5-52<br>3rd sentence                                                             | k) The meter shall support remote load management by sending load<br>curtailment signals that can be direct display/SMS/Web Application.<br><br>The page 167/305 indicates ten meters shall be packed in cardboard<br>boxes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For Section 6 – Schedule of Activities, p.6-2, S.N. 5:<br>Is it one (1) year or five (5) years?<br>-What's the total number of cores for the eight<br>processors?                                                                                                                                                                   | Follow Amendment No. 3                                                                                                                                                                                                                                                                                                                                                                                                               |
| 9  | Section 5 – WRQ<br>p. 5-61                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | What does "direct display" mean?                                                                                                                                                                                                                                                                                                    | Direct Display means getting information by using Push<br>Button provided in the Smart Meter.                                                                                                                                                                                                                                                                                                                                        |
| 10 | P. 167                                                                                                 | Three Phase 4 Wire AC whole current smart energy<br>meter, the current range of 5-100Amps; is it necessary to calculate the<br>cost of circuit breakers and wires?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | It is OK for us to assemble the meter & meter box<br>before shipping or should they be delivered in<br>separate?                                                                                                                                                                                                                    | Meter and Meter Box can be shipped in assembled mode<br>provided required security and safety instructions for<br>shipment and delivery process.                                                                                                                                                                                                                                                                                     |
| 11 |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Based on our experience, it is usually necessary to<br>install 1*3P+N MCB to protect the meter and<br>circuit; However, it does not mention MCB in RFQ;<br>Please confirm                                                                                                                                                           | MCB is not required. But the bidder must provide all<br>complete accessories as mentioned in the requirement to<br>connect the smart Meters.                                                                                                                                                                                                                                                                                         |
| 12 |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Could you confirm if the meter box will only install<br>one 3P4W AC whole current smart energy meter?                                                                                                                                                                                                                               | yes                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    | Section 3 – Evaluation and<br>Qualification Criteria<br>Page 3-11<br>2.5.1 Manufacturer                | vii) Must hold IDIS (Interoperable Device Interface<br>Specification) Certification.<br>In case the bidder or manufacturer do not hold<br>IDIS certification then bidder or manufacturer<br>shall submit an undertaking letter indicating that<br>IDIS Certification shall be produced prior to<br>manufacturing the smart meters for this project<br>If the contract is awarded                                                                                                                                                                                                                                                                                                                | vii) Must hold IDIS package 2 DLM certification<br>from internationally reputable laboratory.                                                                                                                                                                                                                                       | Follow Section 3 – Evaluation and Qualification Criteria<br>of Bidding Documents.                                                                                                                                                                                                                                                                                                                                                    |
|    | Section 5 – Works Requirements<br>Page 5-60<br>36. Switching / Relay Element<br>Details;               | The relay shall be able to withstand at least 10000 open/close cycles at<br>full load, without degradation of relay and meter performance. The<br>power breaker performance shall be in accordance<br>with IEC 62055-31.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | The relay shall be able to withstand at least 10000<br>open/close cycles at full load, without<br>degradation of relay and meter performance. The<br>power breaker performance shall be in accordance<br>with IEC 62055-31. Type test report as per IEC 62055-<br>31 UC3 from internationally reputable labs shall be<br>furnished. | Yes, Follow the Technical Specification of the Bidding<br>Document.                                                                                                                                                                                                                                                                                                                                                                  |
|    | Section 5 – Works Requirements<br>Page 5-2                                                             | a. Supply, Delivery, testing and Installation of smart three phase 4 wire<br>AC whole current<br>energy meter. All required data from HES shall be further integrated with<br>NEA Meter Data<br>Management System (MDMS) with enhanced features.                                                                                                                                                                                                                                                                                                                                                                                                                                                | Please kindly provide the integration interface<br>specifications?                                                                                                                                                                                                                                                                  | bidder or its representative can inspect the existing HES<br>and get the required information. Details shall be provided<br>to the successful bidder after contract signing. All costs<br>related to integration with existing AMI/HES, MDM, Core<br>Billing System should be done by bidder on their own cost<br>as mentioned in specifications and price schedule; Page<br>No. 102. Data Schedule for Installation-Integration and |
|    | Section 5 – Works Requirements<br>Page 5-89 53. Sample                                                 | The sample meter shall be tested in NEA's Central Testing<br>Laboratory for following Tests in the presence of bidder's representative;<br>a to f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Kindly please clarify if these are all the tests to be<br>conducted on the sample?                                                                                                                                                                                                                                                  | Please follow the Amendment No. 3                                                                                                                                                                                                                                                                                                                                                                                                    |

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| Section 5 –Works Requirements<br>Page 5-97<br>TECHNICAL SPECIFICATION FOR<br>PILFER PROOF METER BOX<br>SUITABLE FOR 3-<br>PHASE SMART METER WHOLE<br>CURRENT ENERGY METER (5-<br>100)A | 4. Viewing angle:<br>The meter box should have provision for meter reading using Optical Probe through CMR/HHU device on the cover of meter box without opening the meter box cover along with separate sealing arrangement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Please follow the technical specification of meter box and provisions required.                                                       |
| Invitation for Bids 5 Section 1 Instruction to Bidders Page 1-17 bb)                                                                                                                   | Bids must be valid for a period of 120 days counting from the day of bid opening accompanied by scanned copy of the original bid security in pdf format, in the amount of USD 0.70 Million or an equivalent amount in a freely convertible currency in the form of bank guarantee having validity period 30 days beyond the bid validity period.<br>bb) In addition to electronically submitted PDF files/web forms, the Bidder shall be required to submit original bid security letter/ documents and clarifications as specified in ITB Clause 27. If a bidder does not submit the original Bid security letter and requested documents and or clarifications within the specified time limit then the bid shall not be considered for the Contract Price per day, in the currencies and proportions in which the Contract Price is payable. | In E-bidding scan copy of original bid security is ok                                                                                 |
| Section 8 Particular Conditions of Contract<br>Part A Contract Data<br>Page 8-3 Delay damages for the Works                                                                            | i) If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent below the approved cost estimate, the performance security amount shall be 5 (five) percent of the bid price.<br>ii) For the bid price of the bidder selected for acceptance is more than 15 (fifteen) percent below of the cost estimate, the performance security amount shall be determined as follows:<br>Performance Security Amount = $[(0.85 \times \text{Cost Estimate} - \text{Bid Price}) \times 0.5] + 5\%$ of Bid Price.<br>The Bid Price and Cost Estimate shall be inclusive of Value Added Tax.                                                                                                                                                                                                                                              | No. Liquidity damage shall be applied as total contract value.                                                                        |
| Section 8 Particular Conditions of Contract<br>Performance Security<br>4.2<br>Page 8-8                                                                                                 | The Contractor shall be responsible for transport from the Port of Disembarkation to the Site or location of the Works. The Contractor shall be fully responsible to determine these rates and the amount at the time of preparing tender document and include such costs in its bids. In failing to do so, the Employer shall not be liable to pay such costs and the Contractor shall pay such charges as local or any customs authorities en-route may impose, which will not be an eligible item for refund from the Employer.                                                                                                                                                                                                                                                                                                              | custom duty and VAT shall be paid by NEA and all duties Taxes shall be paid by bidder as per GoN prevailing rules.                    |
| Section 8 Particular Conditions of Contract<br>Import License 21.3<br>Page 8-13                                                                                                        | a) VAT shall be imposed according to prevailing laws and regulations of GoN, on all materials and equipment purchased for the use in the contract Works. The Contractor shall submit request with VAT bills to the VAT office of GoN for reimbursement of the paid VAT within the prescribed time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The Bidder/Contractor shall be responsible for the mentioned activities.                                                              |
| Section 8 Particular Conditions of Contract<br>Duties & Taxation on Goods 21.6<br>Page 8-14                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Only custom duty and VAT applicable in Nepal shall be paid by NEA and all other Taxes shall be paid by bidder as per government rule. |