

## **BIDDER'S CONFERENCE – MINUTES OF MEETING and Q&A**

ITB-UNDP-PETRA- 152917-005-2021

**Assignment Name:**

Construction of Two Landfills and Supporting Facilities in Central Sulawesi

**Date and Time:**

09<sup>th</sup> September 2021, 1400 hrs (Jakarta Local Time, GMT+7) in Zoom virtual meeting platform.

**Closing Date:**

Please refer to the e-tendering system with event ID **0000010268**.

### **TO ALL INTERESTED BIDDERS**

| No.              | Introduction and Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Information      | <p>Pre-Bid Conference was opened with following agenda:</p> <ol style="list-style-type: none"><li>1. Introduction on UNDP panelist</li><li>2. PETRA Project background, objectives, location and activities by PETRA National Project Manager</li><li>3. Explanation on ITB technical aspects as in scope of works and technical specification</li><li>4. Q&amp;A for technical aspects</li><li>5. Explanation on bid submission aspects</li><li>6. Q&amp;A for bid submission aspects</li></ol> <p><i>*Bidders were encouraged to carefully read the ITB document and annexes before preparing the offer and to check regularly UNDP E-tendering &amp; UNDP website for any update/amendment to this tender document</i></p> |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                  | Q&A session is incorporated into the below minutes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TECHNICAL ASPECT |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1                | Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>At a glance from the video, I saw the soil in Kawatuna Landfill is sandy and for backfill activities, would there be any soil import activity from outside the project area, or only to use local soil?</b></p> <p><i>Sekilas dari video, saya lihat tanah di TPA kawatuna berpasir dan untuk aktifitas backfill apakah akan ada aktifitas import tanah dari luar area proyek, atau cukup menggunakan tanah setempat?</i></p> |
|                  | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>For backfill activities, Contractor will use the local soil, not to import from outside the project.</b></p> <p><i>Untuk aktifitas backfill, Kontraktor akan menggunakan tanah setempat, tidak perlu mendatangkan dari daerah lain di luar proyek.</i></p>                                                                                                                                                                    |

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| 2 | Q | <b>Should the bidders own the main equipment or they can rent?</b><br><i>Apakah bidder harus memiliki peralatan utama atau boleh menyewa?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|   | A | <b>Bidders do not have to own the equipment, they can rent as long as are able to provide evidence in the bid documents, such as letters of support from the rental companies.</b><br><i>Bidder tidak harus memiliki sendiri peralatan yang diminta, mereka juga dapat menyewa, selama dapat melampirkan bukti dalam dokumen bid, seperti Surat Dukungan Peralatan dari perusahaan yang menyewakan peralatan.</i>                                                                                                                                                                                                                                  |
| 3 | Q | <b>The paving characteristics is to use the K quality. Which K quality that it refers?</b><br><i>Karakteristik Paving menggunakan mutu K. Mutu K yang menjadi acuan?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | A | <b>In the Technical Specification, the paving quality is to use K250.</b><br><i>Di dalam Spesifikasi Teknis, mutu K yang akan digunakan adalah K250.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4 | Q | <b>Is there a concrete testing fee?</b><br><i>Apakah ada biaya pengujian beton?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|   | A | <b>The cost for samples and material testing of concrete and rebar must be included in the unit cost analysis. There will be no specific cost for concrete samples testing. The contractor must follow the step-by-step testing procedure according to the Technical Specifications in the tender document.</b><br><i>Biaya sampling dan pengujian beton dan besi harus sudah termasuk dalam analisa biaya satuan. Tidak ada biaya khusus untuk pengujian beton dan diharapkan sudah dimasukkan dalam harga penawaran. Kontraktor harus mengikuti prosedur pengujian sesuai dengan tahapan-tahapan dalam Spesifikasi Teknis di dokumen tender.</i> |
| 5 | Q | <b>For the GCL, can we use other products than Naue?</b><br><i>Apakah untuk GCL, bisa menggunakan produk selain Naue?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|   | A | <b>UNDP does not limit to any particular brand. Any brands mentioned in the specification are used as reference. Bidders are required to offer materials that are suitable to the required specifications or equivalent to that brand reference.</b><br><i>UNDP tidak pernah membatasi pada merk-merk tertentu. Penyebutan merk dalam spesifikasi hanya sebagai referensi. Bidder diminta menawarkan material yang sesuai dengan spesifikasi yang diminta atau dengan kualitas yang setara dengan referensi merk.</i>                                                                                                                              |
| 6 | Q | <b>Should the AMP support be strictly located within Central Sulawesi?</b><br><i>Apakah dukungan AMP hanya diperbolehkan di dalam wilayah Sulawesi Tengah?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|   | A | <b>There are no location restrictions. However, if AMP support comes from outside of Central Sulawesi, it is feared that there would be difficulties and delays in the work process. While the need for the project is only small, please try to get AMP support from locations close to the project, in Palu or the surrounding area.</b><br><i>Tidak ada pembatasan lokasi, namun apabila dukungan AMP berada di luar Sulawesi tengah dikhawatirkan akan terjadi kesulitan dan keterlambatan dalam proses pekerjaan. Oleh karena</i>                                                                                                             |

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|    |   | <i>kebutuhan proyek hanya sedikit, mohon diusahakan untuk dukungan AMP didapatkan dari lokasi yang berdekatan dengan proyek, di Palu dan daerah sekitarnya.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 7  | Q | <b>For HDPE casing pipe with steel pipe 32" t = 0.8mm, shall it use galvanized or BS?</b><br><br><i>Untuk pipa casing HDPE dengan steel pipe 32" t = 0,8mm, apakah menggunakan galvanis atau BS?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|    | A | <b>It shall use galvanized and this information is already specified in the Technical Specifications.</b><br><br><i>Menggunakan galvanis dan keterangan ini sudah ada di Spesifikasi Teknis.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8  | Q | <b>In the BOQ of Kawatuna Landfill, Zone/Cell 3, is there waste and who is responsible for the costs?</b><br><br><i>Dalam BOQ TPA Kawatuna, Zona/Cell 3, apakah ada sampah dan biaya ditanggung oleh siapa?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | A | <b>Zone/Cell 3 is a new zone and there is only small amount of waste, Zone/Cell 2 is currently being used from waste dumping. Insignificant amount of waste in Cell 3 can be stockpiled directly, if in the process of carrying out the work there is a significant accumulation of new waste in cell 3, a change order might be carried out later in the contract implementation.</b><br><br><i>Zona/Cell 3 merupakan zona baru dan hanya ada sedikit sampah, Zona/Cell 2 yang sekarang digunakan untuk pengumpulan sampah. Sampah yang sedikit di Zona/Cell 3 bisa ditimbun langsung, namun apabila dalam proses pelaksanaan pekerjaan terjadi penumpukan sampah baru di Cell 3 secara signifikan, dimungkinkan dapat dilakukan Change Order dalam masa pelaksanaan kontrak.</i>              |
| 9  | Q | <b>For concrete testing, should it be done by independent laboratory/contractor?</b><br><br><i>Untuk pengujian beton apakah dilakukan oleh laboratorium independen/kontraktor?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|    | A | <b>Concrete testing must be done by independent laboratory, such as in Tadulako University in nearby location.</b><br><br><i>Harus dilakukan oleh laboratorium independen, seperti yang ada di Universitas Tadulako di area terdekat.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10 | Q | <b>Is the offer required to provide analysis? Should the price schedule documents (Forms F1 and F2) be added with the work unit price analysis?</b><br><br><i>Apakah wajib melampirkan Analisa harga dalam penawaran? Apakah dalam dokumen penawaran harga (Form F1 dan F2) harus ditambahkan analisa harga satuan pekerjaan?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | A | <b>Bidders are not required to provide unit price analysis during solicitation. Bid prices using the Price Schedule Forms (F1 and F2) are sufficient. However, bidders are expected to have the unit price analysis available at any time, in case the evaluation committee needs clarification on the price schedule, the company must provide the analysis.</b><br><br><i>Bidders tidak diharuskan melampirkan analisa harga satuan selama proses tender. Melampirkan penawaran harga dengan menggunakan form-form Price Schedule (F1 dan F2) sudah cukup. Namun, bidder diharapkan selalu mempersiapkan atau mempunyai analisa harga satuan, apabila komite evaluasi membutuhkan klarifikasi terhadap penawaran harga, maka bidder yang bersangkutan harus menyediakan analisa tersebut.</i> |

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| 11 | Q | <b>Reference for price analysis is not stated in the standard of analysis, can the bidder use practical analysis, such as to determine aluminum and architectural work?</b><br><i>Rujukan analisa harga tidak tertera di standar analisa, dapatkah bidder menggunakan analisa praktis, seperti untuk menentukan pekerjaan alumunium dan arsitektural?</i>                                                                                                                                                                                                                            |
|    | A | <b>In this tender, bidders are allowed to refer to their own references in determining prices, either to refer to the government regulation or to the contractor's own rational calculations, so that the offered price analysis is a competitive price.</b><br><i>Dalam tender ini, bidder diperbolehkan mengacu pada referensi harga yang mereka berlakukan sendiri untuk menentukan harga, baik itu mengacu pada regulasi pemerintah maupun pada penghitungan rasional mereka sendiri, sehingga diharapkan analisis harga yang ditawarkan menghasilkan harga yang kompetitif.</i> |
| 12 | Q | <b>The paving specification will use K225 and K350?</b><br><i>Dalam spesifikasi paving akan menggunakan K225 dan K350?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | A | <b>We will only use K250 for paving work.</b><br><i>Untuk pekerjaan paving, hanya akan digunakan mutu K250.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 13 | Q | <b>For the use of HDPE pipe, is it allowed to use other than the Rucika brand?</b><br><i>Untuk penggunaan pipa HDPE, apakah diperbolehkan menggunakan selain merk Rucika?</i>                                                                                                                                                                                                                                                                                                                                                                                                        |
|    | A | <b>UNDP does not limit to any particular brand. Any brands mentioned in the specification are used as reference. Bidders are required to offer materials that are suitable to the required specifications or equivalent to that brand reference.</b><br><i>UNDP tidak pernah membatasi pada merk-merk tertentu. Penyebutan merk dalam spesifikasi hanya sebagai referensi. Bidder diminta menawarkan material yang sesuai dengan spesifikasi yang diminta atau dengan kualitas yang setara dengan referensi merk.</i>                                                                |
| 14 | Q | <b>Related to architectural materials, approvals related to patterns and other things, to whom the contractor will coordinate with later?</b><br><i>Terkait material arsitektural, persetujuan terkait corak dan hal lainnya, kepada siapa kontraktor akan berkoordinasi nantinya?</i>                                                                                                                                                                                                                                                                                               |
|    | A | <b>With Dinas Lingkungan Hidup Kota Palu and Donggala, but coordination must be done through UNDP.</b><br><i>Dengan Dinas Lingkungan Hidup Kota Palu dan Donggala, namun koordinasi wajib dilakukan melalui UNDP.</i>                                                                                                                                                                                                                                                                                                                                                                |
| 15 | Q | <b>Please explain regarding the characteristics of soil and rock at the Kabonga Landfill in order to determine the price of excavation using heavy equipment, is it ordinary excavation or rock excavation?</b><br><i>Mohon penjelasan terkait karakteristik tanah dan batuan di lokasi TPA kabongga, untuk menentukan harga penggalian menggunakan alat berat, apakah diperlukan penggalian biasa atau penggalian batu?</i>                                                                                                                                                         |

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|    | A | <p><b>UNDP and the Consultant have conducted several investigations in both sites including with the Geological Agency. The Soil Investigation result is attached (Attachment 1)</b></p> <p><i>UNDP dan Konsultan telah melakukan beberapa investigasi di kedua lokasi termasuk dengan Badan Geologi. Hasil Investigasi Tanah terlampir (Attachment 1)</i></p>                                                                                                                                                                                                                                                                                                                                                                                |
| 16 | Q | <p><b>For drainage works, is there any access that connects to the nearest city drainage?</b></p> <p><i>Untuk pekerjaan drainase, apakah ada akses yang menghubungkan dengan drainase kota terdekat?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|    | A | <p><b>None. One of the main tasks of the contractor is to carry out drainage work in accordance with the volume requirements and specifications in the tender document.</b></p> <p><i>Tidak ada. Salah satu tugas utama kontraktor adalah melakukan pekerjaan drainase sesuai dengan kebutuhan volume dan spesifikasi dalam dokumen tender.</i></p>                                                                                                                                                                                                                                                                                                                                                                                           |
| 17 | Q | <p><b>How long does the work take? Who will be directly involved in the construction process?</b></p> <p><i>Waktu pelaksanaan pekerjaan berapa lama? Siapa pihak yang terlibat langsung dalam proses pengerjaan nantinya?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|    | A | <p><b>Implementation time is 9 months. The parties involved in the supervision of this project are UNDP, the Environmental Agency of Palu City and Donggala District, the Design and Supervision Consultant hired by UNDP.</b></p> <p><i>Waktu pelaksanaan adalah 9 bulan. Pihak yang terlibat dalam pengawasan proyek ini adalah UNDP, Dinas Lingkungan Hidup Kota Palu dan Kabupaten Donggala, Konsultan Design dan Supervisi UNDP.</i></p>                                                                                                                                                                                                                                                                                                 |
| 18 | Q | <p><b>What type of rebar to use, is it FY 280 or 420, as there is no info on the diameter to be used? Can the factory certificate be referred for the tensile test?</b></p> <p><i>Apa jenis besi yang digunakan, apakah tipe FY 280 atau 420, karena tidak ada info tentang diameter? Apakah sertifikat pabrik dapat dijadikan acuan uji tarik?</i></p>                                                                                                                                                                                                                                                                                                                                                                                       |
|    | A | <p><b>BJTD 40 for diameter 13 mm and above; BJTP 24 for diameter 12 mm and below. The factory certificate is a general reference, but UNDP requires that all rebar materials sent to the field must be carried out an actual tensile test. The actual tensile test can be done anywhere, it can be done outside Central Sulawesi, as long as credible to the requirements.</b></p> <p><i>BJTD 40 untuk diameter 13 mm ke atas; BJTP 24 untuk diameter 12 mm ke bawah. Sertifikat dari pabrik adalah rujukan umum, namun UNDP meminta semua material besi yang akan digunakan harus melalui proses uji tarik khusus. Uji tarik besi dapat dilakukan di mana saja, bisa di luar Sulawesi Tengah, selama kredibel pada yang disyaratkan.</i></p> |
| 19 | Q | <p><b>If there is a high intensity rainfall that might delay progress, will the Contractor get additional time of work schedule?</b></p> <p><i>Jika terjadi hujan dengan curah dan intensitas tinggi yang dapat menunda pekerjaan, apakah Kontraktor mendapat kompensasi waktu tambahan?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|    | A | <p>The duration of works given by UNDP is 9 months, which was determined by including several aspects, including holidays and weather. Additional time would only be considered if there is an extreme weather condition, provided with the report from the Meteorology, Climatology and Geophysics Agency (BMKG).</p>                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|                                             |   | <i>Durasi pekerjaan yang diberikan UNDP adalah 9 bulan, yang ditentukan dengan mempertimbangkan beberapa aspek, termasuk hari libur dan kondisi cuaca. Waktu tambahan hanya akan dipertimbangkan apabila terjadi kondisi cuaca ekstrim, dilengkapi dengan laporan dari Badan Meteorologi, Klimatologi, dan Geofisika (BMKG).</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20                                          | Q | <b>Is it allowed to propose female experts in order to ensure gender equality?</b><br><i>Apakah diperbolehkan mengajukan tenaga ahli wanita untuk memastikan kesetaraan gender?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                             | A | <b>Yes and it is highly encouraged.</b><br><i>Diperbolehkan dan sangat dianjurkan.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 21                                          | Q | <b>Can the on-site materials be included in progress as a billing request, e.g. GCL material?</b><br><i>Apakah material on-site bisa dimasukkan dalam progress sebagai permintaan penagihan? contohnya material GCL?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                             | A | <b>Yes and it can be calculated together on a percentage basis if the material has arrived in the field, as a progress calculation for submitting an invoice and it needs to be recorded even though the material has been calculated in progress by UNDP and the material is already owned by UNDP but the material is still the responsibility of the contractor such as installation, maintenance and security, including if the calculated on-site material is found to be non-compliant with specifications, the contractor is obliged to replace the material with the agreed specifications.</b><br><i>Ya dan bisa dihitung bersama-sama dengan dasar persentase jika material sudah sampai dilapangan, sebagai perhitungan progress untuk pengajuan invoice dan perlu dicatat walaupun material yang sudah dihitung secara progress oleh UNDP dan material tersebut sudah menjadi milik UNDP, tetapi material masih menjadi tanggung jawab kontraktor seperti, instalasi, maintenance dan keamanan termasuk apabila material on-site yang sudah dihitung dan ditemukan terdapat ketidaksesuaian spesifikasi, pihak kontraktor wajib mengganti material tersebut dengan spesifikasi yang telah disepakati.</i> |
| 22                                          | Q | <b>During national holidays, will the workers be expected to continue working and there be overtime?</b><br><i>Pada hari libur nasional, apakah pekerja diharapkan untuk terus bekerja dan akan ada jam lembur?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                             | A | <b>The work plan is a schedule set by the selected Contractor, as long as it is set within 9 months duration given by UNDP. UNDP has taken into account national holidays such as the new year, fasting and Eid Idul Fitri. UNDP only pays for the percentages of progress delivered and does not cover for overtime. The work plan, schedule and overtime are the responsibility of the selected Contractor.</b><br><i>Rencana kerja ini menjadi jadwal yang diatur sendiri oleh Kontraktor terpilih, selama dibuat dalam kurun waktu 9 bulan yang ditentukan oleh UNDP. UNDP sudah memperhitungkan hari libur nasional seperti tahun baru, puasa dan lebaran. UNDP hanya akan membayar untuk presentase progress yang dikerjakan dan tidak bertanggung-jawab untuk jam lembur. Rencana kerja, jadwal maupun jam lembur merupakan tanggung-jawab Kontraktor terpilih.</i>                                                                                                                                                                                                                                                                                                                                            |
| <b>TENDER DOCUMENT &amp; ADMINISTRATION</b> |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| 23 | Q | <b>Can you share the estimate budget for this tender project?</b><br><i>Berapa pagu untuk proyek ini?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    | A | Based on UNDP procurement rules and regulations, the estimate budget cannot be disclosed. Therefore, we expect bidders to give us their professional estimate to implement the project.<br><br><i>Berdasarkan aturan dan regulasi pengadaan UNDP, kami tidak dapat memberikan informasi anggaran/pagu proyek ini. Oleh karena itu, kami mengharapkan bidder untuk memberi harga penawaran secara profesional untuk mengerjakan proyek ini.</i>                                                                                                                                                                                                                                          |
| 24 | Q | <b>How is the payment term for the contract?</b><br><i>Bagaimana termin pembayaran kontrak?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|    | A | <b>The proposed payment term is stated in the ITB page #39.</b><br><br><i>Termin Pembayaran yang ditawarkan tertera pada halaman 39 di ITB.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 25 | Q | <b>How if bidder have experience in construction works, but it does not have specific experience in landfill, can the bidder participate in this tender?</b><br><br><i>Bagaimana jika bidder mempunyai pengalaman pekerjaan konstruksi, namun tidak mempunyai pengalaman khusus seperti pekerjaan landfill (TPA), apakah masih bisa berpartisipasi mengikuti tender ini?</i>                                                                                                                                                                                                                                                                                                            |
|    | A | <b>Yes, the bidder still can participate in this tender. Please see the detailed requirement for previous experience in ITB page 27.</b><br><br><i>Ya, bidder tersebut masih dapat berpartisipasi dalam tender ini. Silakan melihat persyaratan pengalaman yang tertera di ITB halaman 27.</i>                                                                                                                                                                                                                                                                                                                                                                                          |
| 26 | Q | <b>What is type of contract will be used? Is it lump sum or unit price contract?</b><br><br><i>Jenis kontrak apa yang akan digunakan? Apakah kontrak lumpsum atau harga satuan?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|    | A | <b>The contract will be a Civil Works contract with lump sum payment based on the milestone.</b><br><br><i>Kontrak yang akan digunakan adalah kontrak civil works dengan pembayaran lumpsum berdasarkan milestone.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 27 | Q | <b>If there is a variation order in BOQ volume, what is the procedure?</b><br><br><i>Jika terjadi variation order pada volume BOQ, bagaimana prosedurnya?</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | A | <b>Variation order can be happened in the contract implementation stage. Neither in the tender nor evaluation process. In order to modify the volume in the contract, the engineer, the design and supervision consultant, and the selected contractor shall re-calculate the volume and agreed before the contract being amended.</b><br><br><i>Variasi atau perubahan pada volume pekerjaan dapat terjadi hanya pada tahap pelaksanaan kontrak, bukan pada saat proses tender atau pada masa evaluasi. Prosedurnya akan dilakukan dengan cara melakukan perhitungan ulang volume antara kontraktor, konsultan dan UNDP untuk disepakati sebelum dilakukan amendment atas kontrak.</i> |

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| 28 | Q | <p><b>Can a bidder submit bid security and performance security issued by Insurance company?</b></p> <p><i>Apakah Jaminan Penawaran dan Jaminan Pelaksanaan dapat diterbitkan oleh perusahaan asuransi?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | A | <p><b>No. UNDP will only receive both the bid security and performance security in the form of bank guarantee or check issued by a reputable Bank. Please refer to Bid Data Sheet No. 9 of ITB.</b></p> <p><i>Tidak. UNDP hanya akan menerima Jaminan Penawaran dan Jaminan Pelaksanaan dalam bentuk bank garansi atau cek yang diterbitkan oleh bank yang memiliki reputasi bagus. Mohon mengacu kepada persyaratan di Bid Data Sheet No. 9 dalam ITB tender.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 29 | Q | <p><b>Can you clarify more on the bid security?</b></p> <p><i>Mohon dijelaskan lebih lanjut mengenai Jaminan Penawaran.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | A | <ul style="list-style-type: none"> <li>• Bid security is required in the amount of USD 30,000 (Equal to IDR 431.040.000 UNORE Sept 2021 \$1=IDR 14.368). Bid Security can be submitted in Indonesian Rupiah or USD Dollars. For Indonesian Rupiah, conversion rate must refer to <a href="https://treasury.un.org/operationalrates/OperationalRates.php">https://treasury.un.org/operationalrates/OperationalRates.php</a></li> <li>• Please refer to Form G (Bid Security template) of the ITB or Attachment of this Minutes of Meeting for Bid Security template and request the Bank to release as per template (mandatory).</li> <li>• The bid security shall be valid from the date of bid submission (i.e. 28 September 2021 if there is no extension for bid submission date) until 150 days (i.e. 25 February 2022 if there is no extension date for bid submission date).</li> <li>• The copy of bid security shall be attached in your bid and it is part of bid document which shall be submitted before the closing date of the bid on 28 September 2021. The original of bid security shall be sent to UNDP office in Jakarta, subject to prior appointment with UNDP PETRA Procurement.</li> </ul> <p><i>Jaminan penawaran diperlukan dengan jumlah USD 30.000 (Setara dengan IDR 431.040.000 menggunakan UNORE Sept 2021 \$1=IDR 14.368). Jaminan Penawaran ini dapat diajukan dalam mata uang Rupiah atau US Dollar. Untuk Rupiah Indonesia, nilai konversi harus mengacu pada <a href="https://treasury.un.org/operationalrates/OperationalRates.php">https://treasury.un.org/operationalrates/OperationalRates.php</a></i></p> <ul style="list-style-type: none"> <li>• Form untuk jaminan penawaran harus menggunakan template di FORM G dalam dokumen ITB atau seperti terlampir pada Minutes of Meeting ini dan mohon meminta Bank untuk merilis jaminan penawaran sesuai dengan template (wajib).</li> <li>• Jaminan penawaran berlaku sejak tanggal pengajuan penawaran (yaitu dari tanggal 28 September 2021, jika tidak ada perpanjangan untuk tanggal pengajuan penawaran), sampai dengan 150 hari setelahnya (yaitu tanggal 25 Februari 2022 jika tidak ada tanggal perpanjangan untuk tanggal pengajuan penawaran).</li> <li>• Salinan jaminan penawaran harus dilampirkan dalam penawaran anda dan merupakan bagian dari dokumen penawaran yang harus diserahkan sebelum tanggal penutupan penawaran pada 28 September 2021. Jaminan penawaran yang asli dikirim ke kantor UNDP di Jakarta, pada jadwal yang telah ditentukan sebelumnya dengan UNDP PETRA Procurement.</li> </ul> |



|    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 30 | Q | <p><b>Is there an UNDP office representative in Palu for project administration process?</b></p> <p><i>Apakah ada perwakilan kantor UNDP di Palu untuk proses administrasi proyek?</i></p>                                                                                                                                                                                                                                                                                                                                    |
|    | A | <p><b>Yes, UNDP has a representative office in Palu.</b></p> <p><i>Ya, UNDP memiliki kantor perwakilan di Palu.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                       |
| 31 | Q | <p><b>What is the bid evaluation method used for this tender? Is it based on the lowest bid price or bid quality method?</b></p> <p><i>Metode apa yang digunakan untuk mengevaluasi penawaran? Apakah berdasarkan harga penawaran terendah atau metode kualitas penawaran?</i></p>                                                                                                                                                                                                                                            |
|    | A | <p><b>Evaluation Method for the Award of Contract is lowest priced technically responsive bid.</b></p> <p><i>Metode evaluasi yang digunakan untuk memilih pemenang tender adalah penawaran yang memenuhi persyaratan teknis dengan harga terendah.</i></p>                                                                                                                                                                                                                                                                    |
| 32 | Q | <p><b>For Joint Venture (JV), can the bid security be presented only one member?</b></p> <p><i>Untuk perusahaan yang melakukan JV, apakah jaminan penawaran dapat diwakilkan oleh satu anggota JV?</i></p>                                                                                                                                                                                                                                                                                                                    |
|    | A | <p><b>Yes, bid security for JV can be presented by one member as part of JV who assigned as the lead firm.</b></p> <p><i>Ya, jaminan penawaran untuk JV dapat diwakilkan oleh satu perusahaan yang merupakan bagian dari pada JV dan sebagai kontaktor utama.</i></p>                                                                                                                                                                                                                                                         |
| 33 | Q | <p><b>If the bid submission deadline is extended after the bank issued a security bid, is it acceptable if the validity date of security bid is not revised to follow the new submission date?</b></p> <p><i>Seandainya tenggat waktu pemasukan penawaran diperpanjang setelah jaminan penawaran diterbitkan oleh Bank, apakah bisa diterima jika masa berlaku jaminan penawaran tidak direvisi untuk mengikuti jadwal pemasukan penawaran yang baru?</i></p>                                                                 |
|    | A | <p><b>The validity of bid security shall follow the requirement in ITB. Therefore, we strongly advise the bidder to use UNDP bid security template (FORM G) which already fulfilled the requirement of bid security validity.</b></p> <p><i>Masa berlaku jaminan penawaran harus mengikuti persyaratan yang tertera di dalam ITB. Oleh karena itu, kami sangat menyarankan para peserta lelang untuk menggunakan template jaminan penawaran di FORM G yang telah memenuhi persyaratan masa berlaku jaminan penawaran.</i></p> |
| 34 | Q | <p><b>Is joint venture allowed to bid?</b></p> <p><i>Apakah joint venture diperbolehkan ikut tender?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                  |

|    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | A | <p><b>Yes, bidder may form a consortium or joint venture. UNDP encourages bidder to form joint venture with other companies to meet the requirements of this tender. However, a JV can only submit one bid as alternate bids are not allowed. The JV company have to follow all requirements as mentioned in FORM C and in clause 14 of Section 2 Instruction to Bidder in ITB.</b></p> <p><i>Ya, peserta tender dapat membentuk konsorsium atau joint venture. UNDP menyarankan peserta lelang untuk membentuk JV dengan perusahaan lain untuk memenuhi persyaratan yang tertera dalam tender. Namun sebuah JV hanya bisa mengirimkan satu penawaran dikarenakan penawaran alternatif tidak diperbolehkan. Perusahaan yang tergabung dalam JV harus mengikuti peraturan yang ditulis di FORM C dan di Section 2 "Instruction to Bidder" no. 14 di ITB.</i></p>                                                                                                                                                                    |
| 35 | Q | <p><b>Are Statement of Satisfactory Performance from the Top 3 (three) Clients or more in terms of similar project completion within last 7 years mandatory documents to be attached in the bid?</b></p> <p><i>Apakah "Statements of Satisfactory Performance dari minimal 3 klien" untuk pekerjaan konstruksi dalam kurun waktu 7 tahun bersifat wajib untuk dilampirkan dalam penawaran?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|    | A | <p><b>Yes, Statement of Satisfactory Performance from at least 3 (three) clients within the last 7 years is part of the mandatory requirements. Please provide and attach the documents in the bid.</b></p> <p><b><i>Statement of Satisfactory Performance is same with "Surat Keterangan" or "Referensi Kerja" issued by bidder's previous clients which explained the performance of bidder (satisfactory or not satisfactory) in implementing the project. It is not BAST (Berita Acara Serah Terima).</i></b></p> <p><i>Ya. Statements of Satisfactory Performance dari minimal 3 klien utk pekerjaan konstuksi dalam kurun waktu 7 tahun adalah dokumen yang wajib dilampirkan dalam penawaran.</i></p> <p><i>Pernyataan kepuasan klien sama seperti Surat Keterangan atau Referensi Kerja yang diberikan oleh klien. Surat tersebut menyatakan hasil kinerja peserta lelang (memuaskan atau tidak memuaskan) dalam melaksanakan proyek. Pertanyaan kepuasan tersebut bukan dokumen BAST (Berita Acara Serah Terima).</i></p> |
| 36 | Q | <p><b>If personnel worked as project manager with work duration of 6 months in 2019, would the work experience be calculated as 1 year or 6 months experience?</b></p> <p><i>Jika personel bekerja sebagai manajer proyek dengan durasi kerja 6 bulan pada tahun 2019, apakah pengalaman kerja dihitung sebagai pengalaman 1 tahun atau 6 bulan?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|    | A | <p><b>It will be calculated as 6 months experience.</b></p> <p><b>Please provide detail CV for all personnel by listing all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. Detail experience (month and year), detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.</b></p> <p><i>Pengalaman yang dihitung hanya 6 bulan.</i></p> <p><i>Mohon menyediakan CV yang lengkap untuk setiap personel. Jabarkan semua posisi yang dipegang oleh personel (dimulai dengan posisi sekarang), berikan tanggal, nama organisasi yang memperkerjakan, jabatan yang dipegang dan lokasi kerja. Detail pengalaman (bulan dan tahun), merinci jenis kegiatan yang dilakukan, tingkat tanggung jawab, lokasi penugasan dan</i></p>                                 |

|      |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |   | <i>informasi atau pengalaman profesional lainnya yang dianggap relevan untuk penugasan ini.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 37   | Q | <p><b>How does the bidder calculate the Average Annual Turnover (AATO) for the last 3 years?</b></p> <p><i>Bagaimana cara menghitung the average annual turnover selama 3 tahun terakhir?</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|      | A | <p>The annual turnover is calculated based on the total revenue of a company as stated in financial report. In order to calculate the average annual turnover for the last 3 years, the company shall know the total revenue in 2018, 2019 and 2020.</p> <p>The formula is:<br/>The average annual turnover = Total Revenue in last 3 years (in 2018+2019+2020/ 3 (total number of years)</p> <p>The minimum AATO requires in the ITB is USD 1,500,000 (Equal to IDR 21.552.000.000 UNORE Sept 2021 \$1=IDR 14.368) for the last 3 years (2018-2019-2020).</p> <p><i>Annual turnover suatu perusahaan diketahui dari total Pendapatan per tahun yang tertera dalam laporan keuangan. Untuk menghitung the average annual turnover selama 3 tahun terakhir, suatu perusahaan harus mengetahui total Pendapatan pada tahun 2018, 2019 dan 2020.</i></p> <p><i>Formula:</i><br/><i>Rara-rata pendapatan tahunan = Total Pendapatan selama 3 tahun terakhir (2018+2019+2020/ 3 (jumlah tahun)</i></p> <p><i>Minimum AATO yang disyaratkan di ITB adalah USD 1,500,000 (setara dengan IDR 21.552.000.000 UNORE Sept 2021 \$1=IDR 14.368) untuk 3 tahun (2018-2019-2020).</i></p> |
| NOTE |   | <ol style="list-style-type: none"> <li>1. The Soil Investigation result is attached as <b>(Attachment 1)</b></li> <li>2. The form of bid security for this tender is attached as <b>(Attachment 2)</b></li> </ol><br><ol style="list-style-type: none"> <li>1. Hasil Investigasi Tanah terlampir di Attachment 1</li> <li>2. Format Jaminan Penawaran terlampir di Attachment 2</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Jakarta, 17<sup>th</sup> September 2021

**Attachment 1**  
**Soil Investigation result**



Figure III.12 Photo of Liquefaction Layer

### III.1.7 Drilling Point BH-7

Drilling point BH-7 located at TPA Kabonga

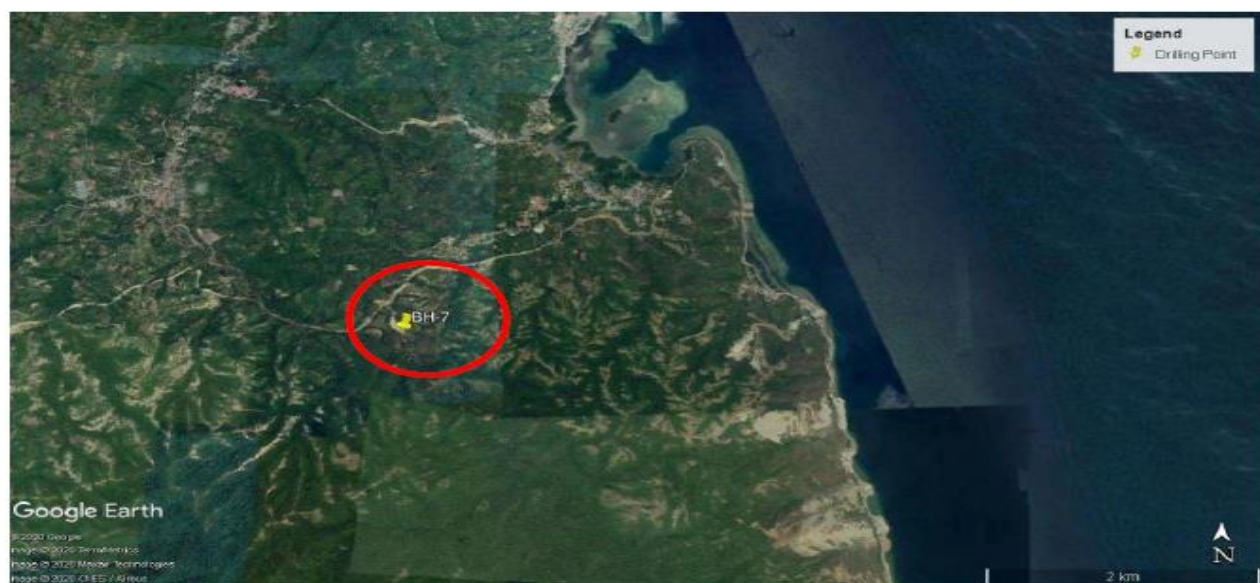


Figure III.13 Drilling Point BH-7



**PT INDRA KARYA (PERSERO) - DIVISI SURVEY & INVESTIGASI**

Jl. Janti Barat 27 Malang 65148. Telp: (0341) 362261 Fax: (0341) 324402 Email: divisi.si@indrakarya.co.id



The Summary of core drilling at BH-7 in table III.8:

Table III.8 Summary of Core Drilling at BH-7

| Drill Point | Depth (m) |       | Lithology          | Location    |
|-------------|-----------|-------|--------------------|-------------|
|             | From      | To    |                    |             |
| BH-7        | 0.00      | 0.20  | Topsoil            | TPA KABONGA |
|             | 0.20      | 2.30  | Gravelly Sand      |             |
|             | 2.30      | 2.75  | Clay               |             |
|             | 2.75      | 9.20  | Gravelly Clay      |             |
|             | 9.20      | 9.80  | Clay               |             |
|             | 9.80      | 11.10 | Gravelly Clay      |             |
|             | 11.10     | 13.00 | Silty Clay         |             |
|             | 13.00     | 16.20 | Gravelly Clay      |             |
|             | 16.20     | 17.00 | Gravel and Boulder |             |
|             | 17.00     | 30.00 | Gravelly Clay      |             |

### III.1.8 Drilling Point BH-8

Drilling point BH-8 located at TPA Kawatuna

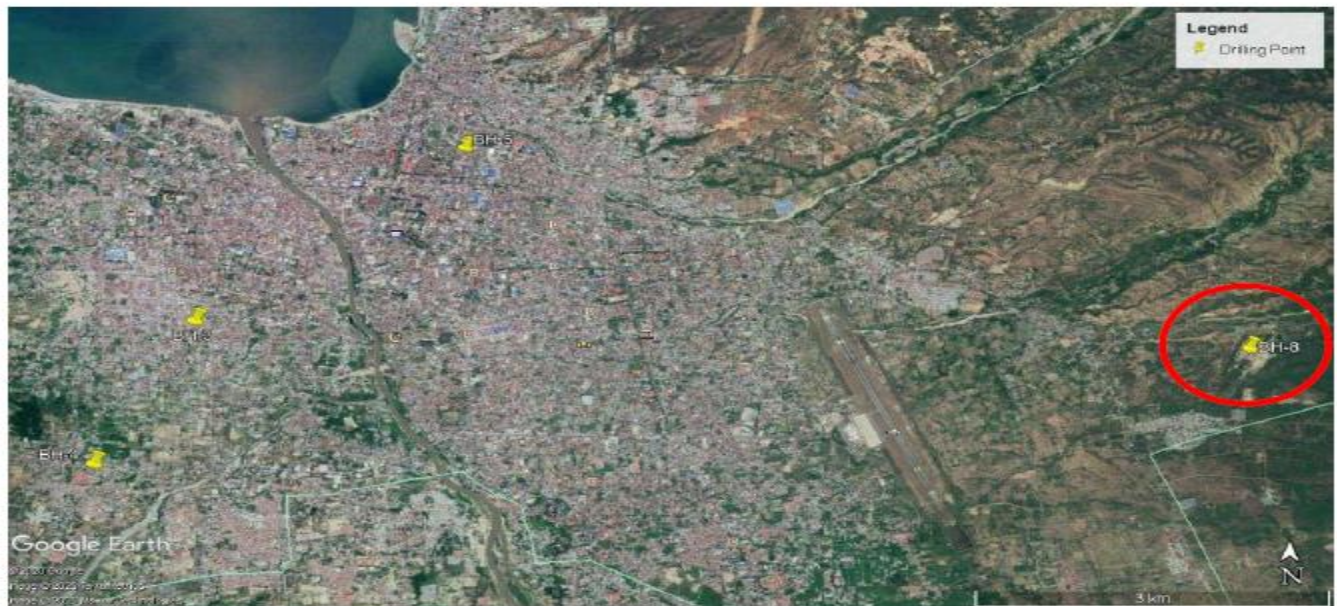


Figure III.14 Drilling Point BH-8



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The Summary of core drilling at BH-8 in table III.9:

Table III.9 Summary of Core Drilling at BH-8

| Drill Point | Depth (m) |       | Lithology    | Location     |
|-------------|-----------|-------|--------------|--------------|
|             | From      | To    |              |              |
| BH-8        | 0.00      | 0.20  | Topsoil      | TPA KAWATUNA |
|             | 0.20      | 4.00  | Gravely Sand |              |
|             | 4.00      | 7.15  | Silty Sand   |              |
|             | 7.15      | 10.00 | Gravely Sand |              |
|             | 10.00     | 18.00 | Silty Sand   |              |
|             | 18.00     | 22.00 | Sand         |              |
|             | 22.00     | 30.00 | Silty Sand   |              |

Detailed soil conditions are presented in each log of boring in the Appendices of Bore Logs.

### III.2 Standard Penetration Test

The Summary of Standard Penetration Test (SPT) activity in table III.10:

Table III.10 Summary of Standard Penetration Test (SPT)

| BH-1        |       |        | BH-2        |       |        |
|-------------|-------|--------|-------------|-------|--------|
| DEPTH (m)   | N SPT | Remaks | DEPTH (m)   | N SPT | Remaks |
| 0.5 - 1.0   | 21    |        | 0.5 - 1.0   | 36    |        |
| 1.5 - 2.0   | 29    |        | 1.5 - 2.0   | 37    |        |
| 2.5 - 3.0   | 17    |        | 2.5 - 3.0   | 39    |        |
| 3.5 - 4.0   | 22    |        | 3.5 - 4.0   | 40    |        |
| 4.5 - 5.0   | 31    |        | 4.5 - 5.0   | 44    |        |
| 5.5 - 6.0   | 34    |        | 5.5 - 6.0   | 39    |        |
| 6.5 - 7.0   | 40    |        | 6.5 - 7.0   | 22    |        |
| 7.5 - 8.0   | 32    |        | 7.5 - 8.0   | >50   |        |
| 8.5 - 9.0   | 37    |        | 8.5 - 9.0   | 42    |        |
| 9.5 - 10.0  | >50   |        | 9.5 - 10.0  | 37    |        |
| 11.5 - 12.0 | 30    | Lq     | 11.5 - 12.0 | 28    | Lq     |
| 13.5 - 14.0 | 29    |        | 13.5 - 14.0 | 42    | Lq     |
| 15.5 - 16.0 | 36    |        | 15.5 - 16.0 | 30    |        |
| 17.5 - 18.0 | 33    |        | 17.5 - 18.0 | 31    |        |
| 19.5 - 20.0 | 29    |        | 19.5 - 20.0 | >50   |        |
| BH-3        |       |        | BH-4        |       |        |



| DEPTH (m)   | N SPT | Remaks | DEPTH (m)   | N SPT | Remaks |
|-------------|-------|--------|-------------|-------|--------|
| 0.5 - 1.0   | 13    |        | 0.5 - 1.0   | 12    |        |
| 1.5 - 2.0   | 9     |        | 1.5 - 2.0   | 18    |        |
| 2.5 - 3.0   | 28    |        | 2.5 - 3.0   | >50   |        |
| 3.5 - 4.0   | 8     |        | 3.5 - 4.0   | >50   |        |
| 4.5 - 5.0   | 8     |        | 4.5 - 5.0   | >50   |        |
| 5.5 - 6.0   | 14    |        | 5.5 - 6.0   | 17    | Lq     |
| 6.5 - 7.0   | 28    |        | 6.5 - 7.0   | 27    | Lq     |
| 7.5 - 8.0   | 6     |        | 7.5 - 8.0   | >50   |        |
| 8.5 - 9.0   | 7     |        | 8.5 - 9.0   | >50   |        |
| 9.5 - 10.0  | 6     |        | 9.5 - 10.0  | >50   |        |
| 11.5 - 12.0 | >50   |        | 11.5 - 12.0 | >50   |        |
| 13.5 - 14.0 | >50   |        | 13.5 - 14.0 | >50   |        |
| 15.5 - 16.0 | 7     | Lq     | 15.5 - 16.0 | 30    |        |
| 17.5 - 18.0 | >50   |        | 17.5 - 18.0 | >50   |        |
| 19.5 - 20.0 | >50   |        | 19.5 - 20.0 | >50   |        |
| BH-5        |       |        | BH-6        |       |        |
| DEPTH (m)   | N SPT | Remaks | DEPTH (m)   | N SPT | Remaks |
| 0.5 - 1.0   | 19    |        | 0.5 - 1.0   | 27    |        |
| 1.5 - 2.0   | 32    |        | 1.5 - 2.0   | >50   |        |
| 2.5 - 3.0   | 29    |        | 2.5 - 3.0   | 37    |        |
| 3.5 - 4.0   | 33    |        | 3.5 - 4.0   | >50   |        |
| 4.5 - 5.0   | 47    |        | 4.5 - 5.0   | >50   |        |
| 5.5 - 6.0   | 45    |        | 5.5 - 6.0   | >50   |        |
| 6.5 - 7.0   | 47    |        | 6.5 - 7.0   | >50   |        |
| 7.5 - 8.0   | 18    | Lq     | 7.5 - 8.0   | >50   |        |
| 8.5 - 9.0   | 25    |        | 8.5 - 9.0   | >50   |        |
| 9.5 - 10.0  | 19    |        | 9.5 - 10.0  | >50   | Lq     |
| 11.5 - 12.0 | 40    |        | 11.5 - 12.0 | >50   |        |
| 13.5 - 14.0 | >50   |        | 13.5 - 14.0 | >50   |        |
| 15.5 - 16.0 | 47    |        | 15.5 - 16.0 | >50   |        |
| 17.5 - 18.0 | 44    |        | 17.5 - 18.0 | 30    |        |
| 19.5 - 20.0 | >50   |        | 19.5 - 20.0 | >50   |        |
| BH-7        |       |        | BH-8        |       |        |
| DEPTH (m)   | N SPT | Remaks | DEPTH (m)   | N SPT | Remaks |
| 1.5 - 2.0   | 9     |        | 1.5 - 2.0   | 23    |        |
| 3.5 - 4.0   | >50   |        | 3.5 - 4.0   | 25    |        |
| 5.5 - 6.0   | >50   |        | 5.5 - 6.0   | 24    |        |
| 7.5 - 8.0   | >50   |        | 7.5 - 8.0   | >50   |        |
| 9.5 - 10.0  | >50   |        | 9.5 - 10.0  | >50   |        |
| 11.5 - 12.0 | 39    |        | 11.5 - 12.0 | >50   |        |
| 13.5 - 14.0 | 41    |        | 13.5 - 14.0 | >50   |        |





|             |     |  |             |     |  |
|-------------|-----|--|-------------|-----|--|
| 15.5 - 16.0 | 48  |  | 15.5 - 16.0 | >50 |  |
| 17.5 - 18.0 | >50 |  | 17.5 - 18.0 | >50 |  |
| 19.5 - 20.0 | >50 |  | 19.5 - 20.0 | >50 |  |

### III.3 Permeability Test

The Summary of Permeability Test (WPT) activity in table III.11:

Table III.11 Summary of Permeability Test (WPT)

| BH-7        |                  |               |
|-------------|------------------|---------------|
| DEPTH (m)   | Permeability (K) | Remaks        |
| 0 - 5.0     | Waterloss        | Constant Head |
| 5.0 - 10.0  | 1.16E-03         | Constant Head |
| 10.0 - 15.0 | 3.79E-04         | Constant Head |
| 15.0 - 20.0 | 1.18E-03         | Constant Head |
| 20.0 - 25.0 | 7.93E-04         | Constant Head |
| 25.0 - 30.0 | 3.23E-04         | Constant Head |
| BH-8        |                  |               |
| DEPTH (m)   | Permeability (K) | Remaks        |
| 0 - 5.0     | 1.64E-04         | Constant Head |
| 5.0 - 10.0  | 1.06E-04         | Constant Head |
| 10.0 - 15.0 | 1.76E-04         | Constant Head |
| 15.0 - 20.0 | 6.93E-05         | Constant Head |
| 20.0 - 25.0 | 3.55E-05         | Constant Head |
| 25.0 - 30.0 | 5.52E-05         | Constant Head |

### III.4 Dutch Cone Penetration Test

The Summary of Dutch Cone Penetration Test activity in table III.12:

Table III.12 Summary of Dutch Cone Penetration Test (DCPT)

| NO | HOLE  | COORDINATES UTM |    |         |    | DEPTH | LOCATION            |
|----|-------|-----------------|----|---------|----|-------|---------------------|
|    |       | X               |    | Y       |    | (m)   |                     |
| 1  | CPT-1 | 170611          | mE | 9819224 | mS | 3.6   | SDN 2 Gimpu         |
| 2  | CPT-2 | 201658          | mE | 9891947 | mS | 6.6   | SD Purwosari Parigi |
| 3  | CPT-3 | 813591          | mE | 9980206 | mS | 4.8   | SMPN 3 Sirenja      |
| 4  | CPT-4 | 832046          | mE | 9839997 | mS | 1.4   | SD Boladangko       |
| 5  | CPT-5 | 815309          | mE | 9925345 | mS | 2.0   | SMPN 1 Labuan       |



## Attachment 2

### form of bid security

**Bid Security must be issued using the official letterhead of the Issuing Bank.  
Except for indicated fields, no changes may be made on this template.**

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To: UNDP  
Menara Thamrin 7th Fl. Jl. MH Thamrin Kav. 3  
Jakarta 10250, Indonesia

WHEREAS **PT. ABC**, address in **Jl. XYZ, Jakarta** (hereinafter called "the Bidder") has submitted a Bid to UNDP dated **September 28, 2021** to execute goods and/or services **ITB-UNDP-PETRA-152917-005-2021 Construction of Two Landfills and Supporting Facilities in Central Sulawesi** (hereinafter called "the Bid");

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

- a) Fails to sign the Contract after UNDP has awarded it;
- b) Withdraws its Bid after the date of the opening of the Bids;
- c) Fails to comply with UNDP's variation of requirement, as per ITB instructions; or
- d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of **IDR 431.040.000,00 (Four Hundred Thirty One Million Forty Thousand Indonesian Rupiahs)**, such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of **IDR 431.040.000,00 (Four Hundred Thirty One Million Forty Thousand Indonesian Rupiahs)**, without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid up to 30 days after the final date of validity of bids.

OR: This guarantee shall be valid from **September 28, 2021** until 30 days after the final date of validity of bids which is on **February 25, 2022**.

Subject to the paragraph below, this Guarantee is governed by the Uniform Rules for Demand Guarantees, ICC Publication No. 758. The supporting statement under Article 15(a) thereof is excluded.

Nothing herein or related hereto shall be deemed a waiver express or implied of the privileges and immunities of the United Nations, including its subsidiary organs nor shall it be interpreted or applied in a manner inconsistent with such privileges and immunities.

#### SIGNATURE AND SEAL OF THE GUARANTOR BANK

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Name of Bank \_\_\_\_\_

Address \_\_\_\_\_

Email Address \_\_\_\_\_

*[Stamp with official stamp of the Bank]*