

LITB-2025-9196361- Generators

Answers to Queries 2

1. Kindly Based on the pictures you sent us. Kindly advise the area we have in Jbeil to place the generator, if you want to reach 55dB we have to put the genset in a bigger canopy and in the pics sent for the site are not clear enough. Also please note that in Machghara it seems that we do not have enough space for the concrete pad , and if we do a special design for the canopy we will not reach the 55dB, please advise if we have another area for the genset.

Answer: For Jbeil, the existing slab for generator placement is approximately 10m × 3.5m, and a larger canopy can be accommodated within these limits. If needed, the slab can be extended, as confirmed by the Water Establishment.

For Machghara, given the space limitations, if a special canopy design cannot meet the 55dB requirement, please propose the best feasible solution within this space and include the associated cost in your offer. No alternative placement options will be considered at this stage.

2. Regarding supply of new cable tray, shall we supply to all sites or only to the ones we have to supply new power cables ? (Oumm Khalil – Chmistar 30 meters + Ameshki well-Bekaa 20 Meters ?)

Answer: The supply of new cable trays is required only for the sites where new power cables will be installed. For other sites, where existing cables are being used, new cable trays are not required.

3. Thank you for your email and the provided “Answers to queries”. However, we still need some more clarifications and requests. Please find them below.

1) Some of the provided photos show slopes and inclinations in the rough land where the gensets are supposed to be located. Please confirm that the gensets will be placed in the land where the photos show. And please advise if excavations or ground leveling (civil works) are required for such locations. **Generators will be placed at the locations shown in the photos. No excavation is required.**

2) In “Answers to queries”, point 7 says that power cables are not required and only connection to the existing is required, whereas, point 10 shows that power cables are required. Please advise which sites need cables and which does not, mentioning the sizes and length for the needed cables. **As stated in Answer 7, the supplier is responsible only for the connection of the cables to the generators. The supply of additional cables is not included in the scope unless explicitly mentioned. However, in Answer 10, a breakdown was provided identifying the sites where cables are already available and where new cables are required.**

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- 3) Shall all of the gensets comply with MoE emission regulations, or just the 1000 kVA.

All generators must comply with MoE emission regulations. The 1000 kVA generator must include a Catalytic Converter or Diesel Particulate Filter as per MoE Decision 16/1 & Circular 4/1.

- 4) Shall all of the gensets have exhaust pipes 3 m above the canopy, or just the 1000 kVA. **The requirement for exhaust pipes extending 3m above the canopy is mentioned in the tender for the 1000 kVA unit, bidders may propose solutions based on industry standards, ensuring compliance with MoE regulations.**
- 5) What type of exhaust piping required above the canopy? Black steel, galvanized, or black steel jacketed with Aluminum or stainless steel sheets?
Bidders should propose exhaust piping materials that ensure durability, compliance with environmental regulations, and suitability for site conditions. Based on industry best practices, we recommend the following:
- **Stainless Steel (ASTM A312, Grade 316) for the coastal area: Highly resistant to corrosion, especially from salt exposure, ensuring long-term durability.**
 - **Black Steel (ASTM A53 / ASTM A106) jacketed with Aluminum or Stainless Steel (ASTM A240) sheets (if justified by cost or specific site conditions)**
- 6) **Kindly provide copy of MoE Decision 4/1 Attached in Annex 2**
- 7) We kindly ask for site visits to be done before bid submission because the photos don't give a clear idea about the works to be done. Thus, we kindly ask for extension of bid closing date, as well.

Site visits are not permitted at this stage. Photos have been provided in Annex 1.

The bid closing date will be extended till Friday 28th.

- 8) Under "Special Notes", Point # 3: "Annex 1- Pricing List is to be submitted in both; excel and signed PDF formats. Annex with modified/deleted/added cells/sections will not be accepted." Please note that some sites that have same genset size need cables while the others do not. Please advise how to offer the gensets that include cables and those that do not in one cell noting that their prices will be different.

Answer: Pricing Annex has been extended accordingly.

4. Can we submit 2 options for the gensets , Option 1 European and Option 2 Chinese, considering they both meet the required specs.

Answer: As mentioned on Special Notes on the tender document, we are requesting one option only from each bidder.