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CORRIGENDUM NO. 4 DATED 18.09.2025 to E-TENDER NO. CQI9336P26

This **Corrigendum No. 4 dated 18.09.2025 to Tender No. CQI9336P26** for '**EPCOM of 125 TPD Mixed Municipal Solid Waste based Compressed Biogas (CBG) Plant for Commercial use at Jorhat, Assam on Domestic Competitive Bidding Basis**' is issued to amend the following:

- (i) The changes in the bid document are enclosed as **Annexure-A** (copy enclosed).
- (ii) The Bid Closing Date (BCD) & Technical Bid Opening Date stands extended as under:

Bid Closing Date & Time : **06.10.2025**, 11:00 hrs. IST.

Technical Bid Opening Date & Time : **06.10.2025**, 15:00 hrs. IST.

All the prospective bidders are requested to regularly visit OIL's website: www.oilindia.com and e-procurement portal <https://etender.srm.oilindia.in/irj/portal> for further announcements/ latest information related to the tender.

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-4
1	13.1.1	149	The quality of FOM produced shall be in strict conformity to specification/composition as mentioned in technical bid package and no deviation shall be allowed. Bidder should comply with all the requirements as per Gazette Notification No. 1459 dated 27.03.2025 issued by Ministry of Agriculture and Farmers Welfare regarding inclusion of Fermented Organic manure (FOM) under fertilizer (Inorganic, organic or mixed) (control) act 1985.	The quality of FOM produced shall meet the following: a) Moisture % by weight: Not more than 30% b) Electrical Conductivity: Not Applicable for MSW based FOM. c) Heavy Metals Content: Not Applicable for MSW based FOM. d) All other parameters: Shall be as per Gazette Notification No. 1459 dated 27.03.2025 issued by Ministry of Agriculture and Farmers Welfare regarding inclusion of Fermented Organic manure (FOM) under fertilizer (Inorganic, organic or mixed) (control) act 1985.
2	13.4.8	242	<ul style="list-style-type: none"> Irresponsible behaviour of contractor and any shortage of Manpower would result in penalty which would be deducted from monthly bill/final bill 	Deleted
3	13.4.8	242	<ul style="list-style-type: none"> Any Violation on proper / adequate deployment of manpower will be charged to payment on proportionate basis 	Deleted
4	14	254	<p>APPROVED SUB-VENDORS/ MAKES</p> <p>All specified equipment and instruments must receive approval from the Owner upon order. The list of approved vendors /makes as attached in Appendix-3 with this document. The Owner reserves the right to accept, reject, or add any make or sub-vendor for the project after the Contract is awarded. Any such approval, rejection, or addition will not incur additional costs to the Owner post-award.</p>	<p>APPROVED SUB-VENDORS/ MAKES</p> <p>The makes / vendors for various equipment and items shall be as per the list of approved vendors /makes in Appendix-3 of this document.</p>

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-4
5	21.3.5	268	For elevated flaring, the minimum stack height shall be 30 m. Ground level concentrations shall never exceed the prescribed ambient air quantity limit.	For Elevated flaring, the minimum stack height shall be as per prevailing norms issued by State Pollution Control Board / Central Pollution Control Board with respect to Emissions Discharge from time to time.
6	21.3.9	269	The plant shall be designed for Zero Liquid Effluents (Untreated) Discharge (ZLD). All the Liquid Effluents shall be treated as per the applicable statutory norms and shall be recirculated to the plant. The surplus treated liquid effluent (if any) may be discharged into the Municipal Sewerage Lines.	All the Liquid Effluents shall be treated as per the applicable statutory norms and shall be recirculated as much as possible to the plant. The surplus treated liquid effluent (if any) which will be discharged into the Municipal Sewerage Lines, shall be as per prevailing norms issued by State Pollution Control Board / Central Pollution Control Board / Local Municipal Body with respect to Effluents Discharge into the Municipal Sewerage Lines, from time to time.
7	23 (23.1 to 23.4)	278 to 281	TRAINING REQUIREMENTS	Deleted.
8	1.1.1	290	The bidder must select suitable process systems / equipment based on his proven designs for producing CBG using the Mixed (unsegregated) Municipal Solid Waste as feedstock. It is not the intent of this specification to specify all technical requirements or to set forth requirements adequately covered by applicable codes and standards. The bidder shall furnish high quality equipment meeting the requirements of this specification and industry standards.	The bidder must select proven process systems and equipments and select suitable capacities of process systems and equipments for producing CBG using the Mixed (unsegregated) Municipal Solid Waste as feedstock. It is not the intent of this specification to specify all technical and sizing / capacity requirements of or to set forth requirements adequately covered by applicable codes and standards. The bidder shall furnish high quality equipment meeting the quality assurance requirements of this specification and industry standards.
9	1.1.19	291	After the weighbridges, there will be a parking area for trucks to be spot-check inspected.	Before the weighbridges, there will be a parking area for trucks (for at least 4 nos. of trucks) for carrying out the spot-checking / inspection of MSW visually.

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-4
10	2.1.4 (New Clause is added)	292		New Clause 2.1.4 is added: 2.1.4 Pre-feed system starts from inlet to Infeed Bunker and ends at the inlet of Digestors.
11	7.1.1	313	The Overflow fraction from Screen shall be taken to the Wind Sifter where it will be separated into three fraction – Light, Medium and Heavy.	The Overflow fraction from Oversize Remover / Screen shall be taken to the Wind Sifter where it will be separated into three fraction – Light, Medium and Heavy.
12	7.1.2	313	Light fraction comprising Low Micron Garbage Bags, Plastic Films, multi-layer Plastic Pouches/Bags, Polystyrene (Packaging Styrofoam) shall be conveyed to the Recycling / Sorting Station for sorting of recyclables.	Light fraction comprising Low Micron Garbage Bags, Plastic Films, multi-layer Plastic Pouches/Bags, Polystyrene (Packaging Styrofoam) shall be conveyed to the Sorting Station (s) for sorting of recyclables. The sorting station(s) shall be at a suitable elevation or height convenient for the manpower to sort manually.
13	7.1.3	313	Medium fraction comprising Aluminium (Soft Drink Cans etc.), PET (Bottles of Water/Juice/Soft Drink, Containers of Ketchup/Jam etc.), Hard Plastic (Medicine Bottles, Drinking Straws, Containers for Yogurt / Take-out Meals etc.), HDPE (Milk Bottles, Detergent/Shampoo Bottles, Grocery Bag etc.), Tetra Pak etc. shall be conveyed to the Ballistic Separators.	Medium fraction comprising Aluminium (Soft Drink Cans etc.), PET (Bottles of Water/Juice/Soft Drink, Containers of Ketchup/Jam etc.), Hard Plastic (Medicine Bottles, Drinking Straws, Containers for Yogurt / Take-out Meals etc.), HDPE (Milk Bottles, Detergent/Shampoo Bottles, Grocery Bag etc.), Tetra Pak etc. shall be conveyed to the Sorting Station (s) for sorting of recyclables. The sorting station(s) shall be at a suitable elevation or height convenient for the manpower to sort manually.
14	7.1.4	313	Heavy fraction comprising Glass Bottles, Metal (Cutleries, Containers etc.), Footwear, Other Leather Items (Bags, Wallets, Belts etc.), Clothes, Organic Waste, Vegetable Cuts, Tender Coconut and Inert etc. shall be conveyed to the Mixed-MSW Treatment Line.	Heavy fraction comprising Glass Bottles, Metal (Cutleries, Containers etc.), Footwear, Other Leather Items (Bags, Wallets, Belts etc.), Clothes, Organic Waste, Vegetable Cuts, Tender Coconut and Inert etc. shall be conveyed to the Sorting Station (s) for recovering the organics and for sorting of recyclables. The sorting station(s) shall be at a suitable elevation or height convenient for the manpower to sort manually. The

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-4
				recovered organics will be conveyed for further processing and feeding to the bi-methanation plant.
15	15.2.2 (Sl.No.1.B)	336	Location <ul style="list-style-type: none"> • Hydrolysis tanks • Digester tanks 	Location: Hydrolysis Tanks / Digester tanks and / or Stand-Alone Storage (As per bidder's selection and design)
16	16.2.2 (Sl.No.1.A)	342	Biogas flaring unit (Full set including automation) - Closed Biogas Flaring System (Elevated Flaring & Stack Height minimum 30 m)	Biogas flaring unit (Full set including automation) - Closed Biogas Flaring System (Elevated flaring). The minimum stack height shall be as per prevailing norms issued by State Pollution Control Board / Central Pollution Control Board with respect to Emissions Discharge from time to time.
17	4.1.2	479	<p>Foundations and Underground Structures:</p> <p>The safe bearing capacities at different depths of foundations shall be as per Geotechnical Investigation Report. Foundation system adopted shall ensure that settlement / relative settlement is as per provision of IS: 1904 and settlement criteria for the equipment to be verified as per OEM requirement. Maximum settlement for, (as per Table 1 of IS: 1904) a) Isolated footings : 25 mm b) Rafts : 40 mm However, the settlement shall be restricted to a lower value, if necessary, as per the system requirement.</p>	<p>Foundations and Underground Structures:</p> <p>The footings/foundations/piling arrangements shall rest on firm strata. The safe bearing capacities at different depths of foundations shall be as per Geotechnical Investigation Report. Foundation system adopted shall ensure that settlement / relative settlement is as per provision of IS: 1904 and settlement criteria for the equipment to be verified as per OEM requirement. Maximum settlement for, (as per Table 1 of IS: 1904) a) Isolated footings: 50 mm b) Rafts : 75 mm. However, the settlement shall be restricted to a lower value, if necessary, as per the system requirement.</p> <p>Highest Flood Water Level (HFL) for the proposed site shall be that applicable for Jorhat as per Government of Assam Water Resources.</p>

Lot -2 of pre-bid clarifications are attached as under:

Tender No. CQI9336P26					
EPCOM of 125 TPD Mixed Municipal Solid Waste based Compressed Biogas (CBG) Plant for Commercial use at Jorhat, Assam on Domestic Competitive Bidding Basis					
Pre-bid Queries (lot 2) - Responses - Tender No. CQI9336P26					
Sr. No.	Clause No./ Page No.	As per Tender	Clarification sought	As per Corrigendum dt 04.08.2025	Clarification by OIL dt 18-9-2025
1	13; Page 149	The quality of FOM produced shall be in strict conformity to specification/composition as mentioned in technical bid package and no deviation shall be allowed. Bidder should comply with all the requirements as per Gazette Notification No. 2051 dated 14.07.2020 and No. 1972 dated 01.06.2021 issued by Ministry of Agriculture and Farmers Welfare regarding inclusion of Fermented Organic manure (FOM) under fertilizer (Inorganic, organic or mixed) (control) act 1985	The quality of feed stock impacts the quality of FOM and the quality of Feed stock supplied is not in control bidder hence we requested to eliminate this clause.	The quality of FOM produced shall be in strict conformity to specification/composition as mentioned in technical bid package and no deviation shall be allowed. Bidder should comply with all the requirements as per Gazette Notification No. 1459 dated 27.03.2025 issued by Ministry of Agriculture and Farmers Welfare regarding inclusion of Fermented Organic	Refer the Corrigendum-4

Amendments to Tender No.: CQI9336P26

ANNEXURE - A

		FOM production quality which does not conform to the above requirements, shall be termed as off spec quality. Price discount @ prevailing selling price (incl. of applicable taxes) for FOM shall be levied for production of such off-spec quality and same shall be levied quarterly. No relaxation shall be given in this case. However, if FOM are produced off spec because of the quality of Mixed-MSW received, vendor shall highlight the same within a week and such source of waste shall be removed from the system and no price discount shall be levied in this case.		manure (FOM) under fertilizer (Inorganic, organic or mixed) (control) act 1985.	
2	1.2L/ Page 180	Energy Source - Electricity from the Grid • Hot Water Generators or Heat Pumps to generate hot water	Delete Heat Pumps - There is no successful demonstration of Heat Pumps as energy source in CBG plants of the proposed capacity in the country. As the tender proposes that all equipment should have a proven track record of effectiveness and successful implementation in the bidder's previous projects, requirement of Heat Pump is contradictory. While there may be possibility of energy savings using such equipment but recommending unproven and immature equipment lead to experimentation and may jeopardise the project		Tender / Corrigendum-1 conditions shall prevail
3	4.5.5/ Page 202	OWNERS DESIGN REQUIREMENT Purified Biogas Storage: 4 hour/day Compression System: 24 hour/day	Request to delete	Purified biogas storage (in a buffer tank) - as per the system operational requirement but minimum 30 minutes/ day	Tender / Corrigendum-1 conditions shall prevail

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4	13.4.8/ Page 242	<p>Other Responsibilities</p> <ul style="list-style-type: none"> - Ensure deployment of committed manpower (as listed in the bid package) - Irresponsible behaviour of contractor and any shortage of Manpower would result in penalty which would be deducted from monthly bill/final bill - Any Violation on proper / adequate deployment of manpower will be charged to payment on proportionate basis. 	Request to delete abstract requirements like irresponsible behaviour and define the basis of deduction or charges or penalty.		Refer the Corrigendum-4
5	14; Page 254	All specified equipment and instruments must receive approval from the Owner upon order. The list of approved vendors /makes as attached in Appendix-3 with this document. The Owner reserves the right to accept, reject, or add any make or sub-vendor for the project after the Contract is awarded. Any such approval, rejection, or addition will not incur additional costs to the Owner post-award.	Request to recheck and modify the statement. Post award of contract rejection of equipment or addition of different vendor at owner's cost is not logical and impractical		Refer the Corrigendum-4
6	21.3.5; Page 268	For elevated flaring, the minimum stack height shall be 30 m. Ground level concentrations shall never exceed the prescribed ambient air quantity limit.	Request to delete. If contractor meets minimum stack height as prescribed then meeting ambient air quantity limit cannot not be in contractors scope		Refer the Corrigendum-4
7	21.3.7; Page 268	A green belt shall be developed around the flare after the refractory wall in case of ground flaring. If green belt is not provided, enclosed ground flare system shall be adopted.	Request to delete as green cover is already being provided. Additional requirement of green cover may restrict land availability for the plant		This clause is applicable only for ground flaring, not for elevated flaring.

8	21.3.8; Page 269	The plant shall be designed for Zero Liquid Discharge (ZLD) for raw water-based effluents.	Request to delete. It is not clear if the requirement is to set up ZLD plant or to treat the effluent and discharge into sewerage network	The plant shall be designed for Zero Liquid Effluents (Untreated) Discharge (ZLD). All the Liquid Effluents shall be treated as per the applicable statutory norms and shall be recirculated to the plant. The surplus treated liquid effluent (if any) may be discharged into the Municipal Sewerage Lines.	Refer the Corrigendum-4
9	21.3.14; Page 269	Rainwater collected from the roofs of the admin and other buildings will be directed through downspouts into garland drains surrounding the buildings. These garland drains will connect to the plant's storm water drainage network. Additionally, several strategically placed recharge wells within the plant will be interconnected with the storm water drainage system to ensure effective groundwater table recharge.	Request to delete "Additionally, several strategically placed recharge wells within the plant will be interconnected with the storm water drainage system to ensure effective groundwater table recharge". Exact requirement to be defined as currently the expectation is not clearly mentioned.		Tender / Corrigendum-1 conditions shall prevail
10	23.1.8; Page 279	An indicative training programme is proposed below which will be firmed up during Contract stage: GROUP.....No. of Man Days Overall Plant Management.....45 Operation Team.....90 Mechanical Maintenance Personnel.....60 Electrical Maintenance Personnel.....60 C&I Engineers.....60 Other groups as may be indicated by the Owner...30	Recheck and Delete as the requirement is not justified/ clarified. Adds up to general costs that may be different for different bidders.		Refer the Corrigendum-4

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ANNEXURE - A

	23.2.9	The Contractor shall appoint a person in charge of logistic coordination. This person shall take care for booking of rooms according to the requirements of the Owner and arranging for transportation (free of charge) from their living place to the training site. The cost of travel expenses, boarding and lodging expenses of the training have to be borne by the EPCOM Contractor.	Recheck and Delete as the requirement is not justified		
	23.2.10	The Contractor shall provide free medical services to the Owner’s personnel.	Recheck and Delete as the requirement is not justified		
	23.3.4	The cost of travel expenses, boarding and lodging expenses of the training/inspection have to be borne by the EPCOM Contractor.	Recheck and Delete as the requirement is not justified		
	23.4.4	The Contractor shall not charge the Owner with the costs for the training activities in the respective training sites.	Recheck and Delete as this is covered earlier		
	23.4.5	In case the Owner fails to send his personnel to attend the above training, the Contractor shall reimburse the relevant amount to the Owner.	Recheck and Delete as the requirement is not justified		
11	26; Page 288	Documentation to be submitted	To be deleted as these documents submission is post award		Please refer Sl.No.46 to 53 in the Corrigendum-1
12	1.1.19; Page 291	After the weighbridges, there will be a parking area for trucks to be spot-check inspected.	Request to delete. Purpose of spot check inspection is not clear.		Refer the Corrigendum-4 Before the weighbridges, the trucks will be checked visually to assess the type of MSW it is carrying. If it is of very poor quality with high Rejects / Recyclables / Grit / Inerts content, it will be rejected and returned to the Local Municipal Body.

13	2.1.2; Page 292	Design of the Pre-feed system and Digester package shall be 30% higher than the rated capacity of 125 TPD Mixed Municipal Solid Waste (MSW) based CBG plant.	125 TPD Mixed MSW; 50% Wet Waste: so digester package to be designed for 65 TPD; 30% Factor of Safety to accommodate variations in quality and sometimes quantity, does not mean plant will be capable to handle 162.5 TPD Everyday.	Design of the Pre-feed system and Digester package shall be 30% higher than the rated capacity of 125 TPD Mixed Municipal Solid Waste (MSW) based CBG plant. Pre-feed system and Digester packages shall be capable of handling MSW up to 162.5 TPD.	Tender / Corrigendum-1 conditions shall prevail. Please also refer Sl.No.34 and 55 in the Corrigendum-1
14	1.1.7; Page 290	Design factors such as sizing and capacity of the various systems and equipment to take care of the variation in the quality and quantity of Feedstocks / raw materials, and corresponding quality of biogas produced.	Variation limit need to be clarified as variation beyond a pre-agreed limit cannot be handled		Please refer Sl.No.18 and 19 in the Corrigendum-1
15	7; Page 313	Windsifter Specifications for Sorting Station after Windsifter are missing	Kindly Provide Specifications for Sorting Station		Refer the Corrigendum-4
16	15.2.2; Page 336	Biogas Holder B. Location; • Buffer tanks • Digester tanks • Liquid digestate tank	Request to delete as it shall be as per bidders design B. Location; • Buffer tanks • Liquid digestate tank	Biogas Holder B. Location; • Buffer tanks • Digester tanks	Refer the Corrigendum-4
17	16.2.2; Page 342	A. Closed Biogas Flaring System	A. Closed/ Open Biogas Flaring System	Biogas flaring unit (Full set including automation) - Closed Biogas Flaring System (Elevated Flaring & Stack Height minimum 30 m)	Refer the Corrigendum-4
18	8; Page 315	Pretreatment System	to be deleted as 9. Organic Extraction itself is a pretreatment system		Please refer Sl.No.68, 69 and 70 in the Corrigendum-1

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ANNEXURE - A

19	BRS 6; 766	Organics Recovery (Organic recovery from the MSW processing & pre-treatment plant) >90%	Organic recovery cannot be guaranteed as it is subjected to % of contamination in incoming waste. Instead guarantee on Slurry Purity can be asked	85%	Tender / Corrigendum-1 conditions shall prevail. Organics recovery of 85% is to be demonstrated .
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