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## **CORRIGENDUM-5**

**This Corrigendum No. 5 dated 30.09.2025 to Tender No. CQI9359P26 for 'EPCOM of 160 TPD (80 TPD Mixed and 80 TPD Source Segregated) Municipal Solid Waste based Compressed Biogas (CBG) Plant for Commercial use at Agartala, Tripura, 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 responses to the Pre-Bid Queries (Lot 2) have been enclosed as **Annexure-B** (copy enclosed).
- (iii) All other terms and conditions of the Bid Document remain unchanged.

Details can be viewed at <https://www.oil-india.com>.

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-5
1	13.1.1	152	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 <b>Gazette Notification No. 1459 dated 27.03.2025</b> 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	244	<ul style="list-style-type: none"> <li>Irresponsible behaviour of contractor and any shortage of Manpower would result in penalty which would be deducted from monthly bill/final bill</li> </ul>	Deleted
3	13.4.8	244	<ul style="list-style-type: none"> <li>Any Violation on proper / adequate deployment of manpower will be charged to payment on proportionate basis</li> </ul>	Deleted
4	14	256	<p><b>APPROVED SUB-VENDORS/ MAKES</b></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><b>APPROVED SUB-VENDORS/ MAKES</b></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-5
5	21.3.5	270	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	271	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 to the plant. The surplus treated liquid effluent (if any) which may 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)	280 to 283	<b>TRAINING REQUIREMENTS</b>	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 well as Source Segregated Organic Fraction of Municipal Solid Waste as feedstocks. 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 equipment and select suitable capacities of process systems and equipment for producing CBG using the Mixed (unsegregated) Municipal Solid Waste as well as Source Segregated Organic Fraction of Municipal Solid Waste as feedstocks. 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	295	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-5
10	2.1.4 (New Clause is added)	295		5 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	8.1.1	319	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	8.1.2	319	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	8.1.3	319	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	8.1.4	320	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 and SSOF-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 recovered organics will be conveyed for further processing to feed to the bi-methanation plant.

S. No.	Section / Clause	Page No.	Existing provision as per Tender / Corrigendum-1	Amendment in Corrigendum-5
15	17.2.2 (Sl.No.1.B)	345	Location <ul style="list-style-type: none"> <li>Hydrolysis tanks</li> <li>Digester tanks</li> </ul>	Location: Hydrolysis Tanks / Digester tanks and / or Stand-Alone Storage (As per bidder's selection and design)
16	18.2.2 (Sl.No.1.A)	351	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	491	<p><b>Foundations and Underground Structures:</b></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><b>Foundations and Underground Structures:</b></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 Agartala as per Government of Tripura / Government of India's Data / Information.</p>

**ANNEXURE-B**

**Tender No. CQI9359P26**

**EPCOM of 160TPD (80 TPD Mixed and 80 TPD Source Segregated) Municipal Solid Waste based Compressed Biogas (CBG) Plant for Commercial use at Agartala, Tripura, on Domestic Competitive Bidding Basis**

**Pre-bid Queries (lot 2) - Responses - Tender No. CQI9359P26**

Sr. No.	Clause No./ Page No.	As per Tender	Clarification sought	Clarification by OIL dt 29-9-2025
1	13.1.1; Page 152	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.	Refer the Corrigendum-5
2	13.4.8/ Page 244	Other Responsibilities - 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-5
3	14; Page 256	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-5
4	21.3.5; Page 270	Biogas flaring unit (Full set including automation) - Closed Biogas Flaring System	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-5
5	21.3.9; Page 271	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	Refer the Corrigendum-5
6	23.1.8 Page 281	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-5
	23.2.9. Page 282	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. Page 282	The Contractor shall provide free medical services to the Owner's personnel.	Recheck and Delete as the requirement is not justified	
	23.3.4. Page 283	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. Page 283	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. Page 283	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	
7	26; Page 286	Documentation to be submitted	To be deleted as these documents submission is post award	Please refer SI.No.48 to 55 in the Corrigendum-1
8	1.1.19; Page 295	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-5. 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.
9	2.1.2; Page 295	Design of the Pre-feed system and Digester package shall be 30% higher than the rated capacity of 160 TPD (80 TPD Mixed and 80 TPD Source Segregated Organic Fraction) of Municipal Solid Waste (MSW) based CBG plant.	Does not mean plant will be capable to handle 30% extra TPD Everyday.	Tender / Corrigendum-1 conditions shall prevail. Please also refer SI.No.37 and 57 in the Corrigendum-1
10	1.1.7; Page 293	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 SI.No.19 to 22 in the Corrigendum-1
11	8; Page 319	Wind sifter Specifications for Sorting Station after Wind sifter are missing	Kindly Provide Specifications for Sorting Station	Refer the Corrigendum-5
12	17.2.2; Page 345	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	Refer the Corrigendum-5
13	4.1.2; Page 491	Foundation and Underground Structures	Foundation/ Piling arrangements to be clarified. HFL for the proposed site to clarified based on which the bidder to design the civil designs	Refer the Corrigendum-5
14	10; Page 324	Pretreatment System	to be deleted as 9. Organic Extraction itself is a pretreatment system	Please refer SI.No.74, 75 and 76 in the Corrigendum-1
15	BRS 6; 779	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	Tender / Corrigendum-1 conditions shall prevail. Organics recovery of 85% is to be demonstrated .
16			Current land coordinates has undulations and filled with garbage. Kindly provide final coordinates of land along with matching land survey and geo-technical study	The extant of land available is shown in the indicative GA drawing given in Annexure-6 of Tender Documents. Bidder has to visit the site and make his own assessment.