

Amendment No. 2 against Bid Ref. No.: SAMS/FIND/Proc/Equipment/ATE/02/2025 dt. 17/01/2025 for Procurement for Supply, Installation and Commissioning of Upper Room Air Ultraviolet Germicidal Irradiation (UVGI/GUV) Disinfection System and related services for Drug-resistant Tuberculosis (DR-TB) centers across India agt.

A prospective bidder submitted a technical query, which has been incorporated into Amendment No. 2.

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2) *
1.	Section III – Bid Data Sheet (BDS) D. Submission and Opening of Bids ITB-22.1 at Page No.28	Submission and Opening of Bids	Many bidders have requested us for an extension of the bid submission timeline.	<p><i>In response to requests from multiple bidders, the SAMS/FIND team has accepted the request and revised the timeline for bid submission and opening. Bidders must submit their bids in hard copies at the Purchaser's office no later than 03:00 PM on 17/02/2025 as per the bid document.</i></p> <p><i>The Technical Bids will be open on the same day at 04:00 PM.</i></p>
2.	Section IV – Section IV – Evaluation and Qualification Criteria A (5) – Minimum Eligibility Criteria at Page No.30	Bidder or consortium partner (if any) must provide a combination of at least two fixtures of different total UVC254 output of which, one fixture will be with total UVC254 output < 0.5 W and other fixture/s being > 0.5 W (up to 1.5 W) to match with the total volumetric dose requirement in respective areas where they will be installed.	The bidder requested us for precise specifications for the UV output required per fixture type (small, medium, and large).	<p>Complies, It is clarified that the Technical specification, Evaluation and Qualification Criteria will remain same and pointwise clarification given below.</p> <p>a. <u>Total UV fixture output of a model</u>– This is the total output of the fixture which can be different for different models quoted in combinations by different vendors. (unit of measurement in Watts)</p> <p>b. <u>Volumetric dose of UV required in a room</u> - The requirement is 10-12mW/cubic meter, which means that if a room is 6m x 6m x 3m – the total volume of the room will be 108 cubic meter and requirement of the total volumetric dose for the room shall be 108 x 12mW = 1296 mW = 1.3 Watts. (1 Watt = 1000 mW)</p> <p>c. <u>Limit of volumetric dose</u> – Also, the volumetric dose should not exceed or be less by ± 15% of the required volumetric dosing. In the above example it will be ± 0.195 Watts. Thus, the total volumetric dose should be between 1.1 to 1.5 W.</p> <p>d. <u>Combination of fixtures</u>: Thus, the vendor should use the combination of fixtures with different outputs so that total volumetric dose is in the above range of 1.1 to 1.5 Watts. Thus, as an example, the bidder may suggest for a</p>

Sl. No.	Para / Clause Reference in Bid Document/ Page No.	Content of Para / Clause under Reference as per Bid Document	Query / Suggestions	Response / Amendments (Amendment No. 2) *
				<p>combination of 0.35 Watt and 1.0-Watt fixture as per the availability with the bidder, in this case. In the bid document it is clear that the bidder must provide combination of at least two fixtures of different total UVC254 output of which, one fixture will be with total UVC254 output < 0.5 W and other fixture/s being > 0.5 W (up to 1.5 W) to match with the total volumetric dose requirement in respective areas where they will be installed. Kindly note that the combination is not necessary in every room but for the entire schedule.</p> <p>a. <u>Product testing</u> – The bidder shall provide the test report for the total fixture output of the models quoted. We shall be validating the fixture output (as per above example - 0.35 W and 1.0 W) as a part of product testing using the Steve Rudnick method. The details are in the bid document.</p> <p>b. <u>UV Irradiance measurement in kill zone</u> – This is a different measure altogether which is measured at 1 meter at the centre where GUV fixture is installed. This is measured with a calibrated radiometer (Unit of measurement is microwatts/ square centimetre).</p> <p>c. <u>UV irradiance measurement in safety zone</u> – This is also a different measure, which will be done at different points at 6 ft, 4ft, 3ft etc. (details are in the technical specifications). This is also measured with a calibrated radiometer (Unit of measurement is microwatts/ square centimetre).</p>

****the bold and Italic contents are the amendments (Amendment no. 2) against the respective paras of Bid Document. The referred amendments shall be applicable to all relevant Sections of the Bid.***