

Ref: UNEW-G3-CL-007

Date: 13 August 2026

To: Bid Evaluation Committee

Phu My Thermal Power Company — Vietnam Power Generation Corporation 3 (EVNGENCO3)

Subject: Clarification response — compliance of the inlet guide vanes and compressor blades (Items 7 to 12) with the end-user confirmation requirement

Dear Members of the Bid Evaluation Committee,

UNEW, Inc. (the Bidder) refers to the Committee's Request for Clarification concerning the confirmation letters submitted from two end users, and in particular to the observation that compliance has not been clearly demonstrated for the inlet guide vanes and compressor blades of Items 7 to 12. The Bidder responds below.

1. The requirement addressed

The Request cites Item 5, Section III, Chapter V. Chapter V of the Bidding Documents does not contain a Section III. As in its previous clarification responses, the Bidder has therefore identified the requirement by its content rather than by its numbering, and understands the Committee to refer to the end-user confirmation requirement under which the Bidder is to provide confirmation, from two different end users, that the goods supplied have either:

- (a) operated stably for at least 33,000 EOH from the installation date; *or*
- (b) operated stably for five years and achieved a minimum of 16,000 EOH from the installation date.

If the Committee intended a different provision, the Bidder will respond further on request. The response below is given on the understanding stated.

2. The observation being answered

The Committee has accepted that Letter No. EEHC-DAM-GT4/2023/001 dated 18 January 2023 establishes limb (a) for the turbine vanes and blades of Items 1 to 6. For the inlet guide vanes and compressor blades of Items 7 to 12, the Committee observes that the letter does not confirm whether those parts were installed at the Hot Gas Path Inspection of 2018 and had accumulated 33,000 EOH by the Hot Gas Path Inspection of 2023.

The Bidder confirms that the Items 7 to 12 parts were installed in the same outage as the Items 1 to 6 parts, that they remained installed throughout the interval between the two inspections, and that they therefore accumulated the same operating period, and the same 33,000 EOH, that the Committee has already accepted for Items 1 to 6.

The reason the end-user letter records the two groups differently is not a difference in service. It is a difference in the maintenance treatment that the two groups receive under the maintenance concept of this engine class. That difference is set out in Section 4 below, and it is the point on which this clarification turns.

3. Supply and installation record — EEHC Damietta, GT4 (S/N 800514)

The parts covered by the end-user letter were supplied and installed as follows.

Element	Record
Long term service agreement	UNEW-EEHC-LTSA-2017-001, Egyptian Electricity Holding Company (EEHC), Damietta Power Plant
Unit	Gas turbine GT4, serial number 800514, Siemens SGT5-2000E / V94.2
Purchase order	PO20302017-DAM-01, dated 20 March 2017
Delivery note	DN-PO20302017-DAM-01, dated 28 March 2018
Installation outage	Hot Gas Path Inspection of 2018
Parts installed in that outage	Turbine vanes and turbine blades (Items 1 to 6) and inlet guide vanes and compressor blades (Items 7 to 12), all installed in the same outage
Next scheduled inspection	Hot Gas Path Inspection of 2023
End-user confirmation	Letter No. EEHC-DAM-GT4/2023/001, dated 18 January 2023
EOH accumulated by the unit between the two inspections	33,000 EOH, being the Hot Gas Path Inspection interval of the unit

4. Why Items 7 to 12 produce no separate roll-out record, and why that is not an absence of evidence

The maintenance concept of the Siemens SGT5-2000E / V94.2 engine class treats the turbine vanes and blades and the compressor blading in two entirely different ways. This is set out in the Bidder's document UNEW-GENCO3-PM21-LIFE-001, Component Inspection Cycle and Designed Lifetime, already before the Committee, and is summarized here.

(i) The turbine vanes and blades of Items 1 to 6 are roll-out items. They are removed complete from the machine at each Hot Gas Path Inspection, at an interval of 33,000 EOH, are shop inspected and refurbished, and a serviceable set is rolled back in. Every Hot Gas Path Inspection therefore generates, for these parts, a removal record, a shop inspection record and a reinstallation record. It is that record trail that the Committee has read, correctly, as demonstrating 33,000 EOH of stable operation.

(ii) The inlet guide vanes and compressor blades of Items 7 to 12 are not roll-out items. They have no scheduled roll-out interval at all. At the Combustion Inspection they are assessed in place by borescope through the compressor inspection ports and from the inlet plenum. At the Hot Gas Path Inspection they are assessed in place over the full flow path with the casing open, and are not removed. At the Major Inspection the flow path is accessed and individual compressor blades are removed only where an inspection finding requires it. The inlet guide vane row is carried in the compressor inlet casing with its actuating levers and unison ring; it is inspected, and its linkage checked and calibrated, in place. Their designed lifetime is not less than 100,000 EOH, matched to the service life of the compressor rotor set, and they are removed only on an inspection finding or at the end of that designed life.

(iii) The consequence for the record. A compressor blade row or an inlet guide vane row that had been removed from the machine between the 2018 and the 2023 inspections would necessarily have generated a roll-out record, a shop report and a reinstallation record. No such record exists for the Damietta GT4 compressor blading or inlet guide vanes, because no such removal occurred. The absence of the intermediate record the Committee has looked for is not a gap in the evidence. It is the positive and expected consequence of these parts having remained installed and in service, undisturbed, throughout the interval.

(iv) The consequence for the EOH count. Because these parts remained in the machine continuously, the EOH they accumulated over the interval between the two inspections is simply the EOH accumulated by the unit itself over that interval. That is the same 33,000 EOH the Committee has already accepted for Items 1 to 6, which were installed in the same machine at the same outage and were exposed to the same operating hours of the same unit. The two groups cannot differ. Any figure accepted for Items 1 to 6 is necessarily also the figure for Items 7 to 12, and in fact Items 7 to 12 continue to accumulate EOH beyond it, because they were not removed at the 2023 inspection either.

(v) How stable operation is confirmed for these parts. For a non-roll-out item, confirmation of stable operation is made by in-place assessment, which is the assessment method the maintenance concept specifies for these parts. At each inspection the compressor flow path is examined over the leading edges, the trailing edges, the airfoil surfaces, the tips and the visible root and platform areas, and is reviewed for deposits, corrosion marks, contact marks, abnormal rub and loose material; the inlet guide vane row and its actuating linkage are checked and calibrated. That examination was carried out at the 2023 Hot Gas Path Inspection, the parts were found serviceable, and the unit was returned to service with the same compressor blading and inlet guide vanes installed. That is the confirmation of stable operation for these items, and it is the equivalent, for a non-roll-out item, of the shop acceptance record produced for a roll-out item.

5. Compliance of Items 7 to 12 against the requirement

On the record set out above, the inlet guide vanes and compressor blades of Items 7 to 12 satisfy the requirement on both limbs, independently of one another.

Limb	Requirement	Position of Items 7 to 12
(a)	Stable operation of at least 33,000 EOH from the installation date	Satisfied. Installed at the 2018 Hot Gas Path Inspection and continuously in service to the 2023 Hot Gas Path Inspection, accumulating the 33,000 EOH inspection interval of the unit — the same period the Committee has accepted for Items 1 to 6. The parts were not removed at the 2023 inspection and have continued in service since
(b)	Stable operation for five years and a minimum of 16,000 EOH from the installation date	Satisfied, and by a wide margin. The parts have been installed and in service since the 2018 outage, a period of approximately eight years to the date of this letter, against a requirement of five years, and have accumulated well in excess of 16,000 EOH. The requirement runs from the installation date and is not capped at the date of the end-user letter

The Bidder notes that limb (b) does not depend on the point the Committee has raised at all. Even if the 33,000 EOH figure for Items 7 to 12 were left aside entirely, the parts have been in continuous service for approximately eight years since installation, which satisfies the five-year element, and the 16,000 EOH element is met several times over on any counting convention.

6. Corroborating end-user evidence already before the Committee

Independently of the Damietta record, the Bidder has already submitted to the Committee two further end-user confirmations covering compressor blading of this engine class, from two different end users, each satisfying a different limb of the requirement.

End user	Evidence and scope
EPEC — Empresa Provincial de Energía de Córdoba, Central Térmica Bicentenario, Pilar, Argentina	Unit GT12, serial number 800784. Complete compressor blading, rows 1 to 16, installed November 2018 and accepted 20 November 2018; Hot Gas Path Inspection acceptance 24 November 2022 at approximately 33,000 EOH on the installed parts. Satisfies limb (a). Reference letter Ref EPEC/GG/UNEW/EVENGENCO3 dated 3 August 2026, signed by Ing. Gabriel Eduardo Ros, Gerente de Generación
DEWA — Dubai Electricity and Water Authority, Jebel Ali G55 Power Plant, United Arab Emirates	Unit JEBEL ALI G51, gas turbine serial number 600712. Complete compressor blading, rows 1 to 16, serials AA26K0486 to AA26K0517, installed during the Hot Gas Path Inspection of 10 January to 5 February 2018; in service for more than eight years, with borescope inspections at the Combustion Inspections of February 2022 and March 2025 recording no findings. Satisfies limb (b). Acknowledgement letter DEWA/PG/G55/LTSA-UNEW dated 28 July 2026
Electroingeniería S.A. — Central Térmica Bicentenario, Pilar, Argentina (inlet guide vanes)	Unit GT11, serial number 800754. Inlet guide vane row, 36 vanes, refurbished under Final Inspection Report UNEW-V942-Si3D-IGV-FIR-Rev.01, reinstalled and returned to commercial service in November 2018, and in continuous service since

The EPEC and DEWA confirmations cover the same product under the same UNEW part numbering as the compressor blades offered under Items 8 to 12, being compressor blade rows 1 to 16 under part numbers A2A2001101-G001 and -G002 through A2A2001116-G001 and -G002. The stages offered under Items 8 to 12 fall wholly within that range.

7. Supplementary confirmation offered

The Bidder considers that the record set out above answers the Committee's observation in full. If, however, the Committee requires the point to be stated by the end user rather than by the Bidder, UNEW will obtain from EEHC a supplementary confirmation stating the date of the 2018 outage on GT4, the installation of the Items 7 to 12 parts in that outage, the EOH counter readings recorded at the 2018 and 2023 inspections, and confirmation that those parts remained installed and in service throughout the interval and were not removed at the 2023 inspection. UNEW will provide that confirmation within ten working days of the Committee's request.

8. Documents relied upon

No.	Document	Point supported
1	Letter No. EEHC-DAM-GT4/2023/001, dated 18 January 2023	End-user confirmation, Damietta GT4
2	LTSA UNEW-EEHC-LTSA-2017-001	Contractual basis of the Damietta supply
3	PO20302017-DAM-01, dated 20 March 2017	Order for the parts covered
4	DN-PO20302017-DAM-01, dated 28 March 2018	Delivery ahead of the 2018 outage

No.	Document	Point supported
5	UNEW-GENCO3-PM21-LIFE-001, Component Inspection Cycle and Designed Lifetime	Roll-in / roll-out cycle: compressor blades and inlet guide vanes are assessed in place and have no scheduled roll-out
6	EPEC reference letter Ref EPEC/GG/UNEW/EVENGENCO3, dated 3 August 2026	End-user confirmation, limb (a), compressor blading rows 1 to 16
7	DEWA acknowledgement letter DEWA/PG/G55/LTSA-UNEW, dated 28 July 2026	End-user confirmation, limb (b), compressor blading rows 1 to 16
8	Final Inspection Report UNEW-V942-Si3D-IGV-FIR-Rev.01	Inlet guide vane row, 36 vanes, Pilar GT11, in service since November 2018

The Bidder trusts that the above satisfies the Committee and remains available for any further clarification.

Yours faithfully,



Ronald Miller

Operations Director

UNEW, Inc.