



Note of Information WS600217008-NOI#2
April 9, 2021

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Major Overhaul Frame 9 Gas Turbine RoCa

• Note of Information #2

Dear Tenderers,

Hereby we would like to make four announcements for the tender Major Overhaul Frame 9 Gas Turbine RoCa

- 1) Tenderers are given the opportunity for an online instruction how to use TenderNed for the submission. Application must be made via message on TenderNed before 13-04-2021 17:00.
- 2) Scope of work Frame 9 RoCa v1.1 is attached to this note of information. Please be aware of the changes!
- 3) New documents have been added to TenderNed
- 4) Answers to questions can be found below in this document

Yours sincerely,
Tender Team

Nr	Question	Answer
67	Request a list of all the Control panel circuits that have been jumpered out	none
68	Is there a Control specification for the units	yes we will be provided by order
69	Can customer provide record all of the Control panel circuits in Alarm?	P144 compr inlaat temp verschil 1 koppel defect. P224 wielruimte temp verschil TT-WS1F0-1 & TT-ws2F0-1 defect
70	Does the control panel have any control circuits Jumpered out to silence alarms or bypass the controls sytems? If yes, please list	none
71	Can customer provide current set of screen shots of the Controls Screens as unit/s are operating.?	yes, see attachment
72	Is there a set of schematics that you can get copies of for this unit	in the O&M manual. Uniper will publish the O&M manual by order
73	Confirmation that inspection to Accessory Gearbox A919, s/n 516373 is exclusive of any spare parts (ref 82)	There are no spare parts available for Accessory Gearbox A919, s/n 516373. The contractor must deliver the parts they think needed for the inspection
74	Can you advise from previous data approximate quantity of damaged casing threads (ref 70)	see reports in attachment
75	Can you provide additional detail on the damage to the Compressor Discharge Casing Grooves (ref between 60 and 61)	see last reports 2008 - 2011 - 2015
76	Can you provide nameplate and serial number for the Gas Valves on the GT (ref 74)	see device list attachment note of information 1
77	Can you provide nameplate details on the Compressor Bleed Valves on the GT ref 73)	see device list attachment note of information 1
78	In respect to the Lube Oil and Control Oil Coolers - is it normal to have these removed during the outage for cleaning? (ref 78)	if we replace oil than you can check the lude oil cooler inside and scrub cool water pipes
79	Do you have details of the exhaust and turbine fans to allow us to identify bearings and the like (ref 123)	see device list attachment note of information 1
80	Confirm you have a spare set of flexible hoses, we will send existing hoses away for inspection/testing (ref 86)	No spare parts. Firm Amnitech Rotterdam
81	Is it mandatory for Contractor to replace Lube Oil - who removes Oil during the outage? (ref 124)	Replace oil is for Uniper

82	Please provide details of auxiliary and emergency lube oil Pump (is inspection on both pump and motor) details required to advise on spares (ref 125)	see device list attachment note of information 1
83	Details required of Gas Heater (ref 126)	See attachment note of information 1, GT3 opstelling en samenstellingstekening (Gasvoorwarmer)
84	Details of fire protection system so that we can look to engage specialist, who is normal supplier to Uniper (ref 127)	out of scope. Will be done by Hi Safe
85	Can you provide a device summary and set of P&IDs so we can estimate the quantity of calibration required (ref 135-138)	See P&ID list
86	Section B_2 – Company-T request that the full stock list be provided to allow a full review and to ensure all spare parts are available to carry out all required activities.	capital spares are available (replace). Consumables and parts with comment renew and purchase have to be delivered by contractor.
87	Section B_2 – Exception – No physical check of stock parts has been/will be carried out. It is assumed that all spare parts are usable and complete per the clients stock list	capital spares are available (replace). Consumables and parts with comment renew and purchase have to be delivered by contractor.
88	Section C – Exception – Company-T typically employs (greater than 50% by total numbers), approved third party sub-contract personnel for the execution of Outages/Inspections.	third party sub contractors are allowed but they need all qualifications and Uniper wants the sub contractor name in advance
89	General_conditions_of_purchase_5.6 – Exception - Unless no other warranty period is stated, 60 months applies. Company-T offer 12 months warranty for parts and services.	Please provide all comments on the T&C's via Appendix 2 - Acceptance of general terms and conditions which has been sent the tender request. Uniper will verify based on the comments to award the project.
90	Scope of work Frame 9 RoCa v1.0 – Please clarify whether the supply of all parts for the task highlighted (in blue), is the responsibility of the contractor? I.e. – A quote is required from Company-T for all parts associated with the highlighted tasks.?	Scope of work Frame 9 v1.1 is attached to note of information 2.

91	Scope of work Frame 9 RoCa v1.0 – Please clarify whether the supply of all parts for the task highlighted (in blue), is the responsibility of the contractor? I.e. – A quote is required from Company-T for all parts associated with the highlighted tasks.?	responsibility of contractor
92	Section B_4 Rotor must be removed from site due to site weight limitation ; do Uniper have a location / supplier contracted for this to be stored & worked (cleaning and Row 1 blade swap) or is the contractor to identify and budget this location?	Uniper has no location. This is Contractors responsibility
93	Section B_4 Is contractor to supply #1, #2, #3 bearings? If so have rotor bearing journals been modified- previously undersized- on rotor?	preferred supplier for repair (new metal) Bootsman. They can deliver with the right demensions
94	Section B_4 CDC casing – this would require either welding or metal stitch type repair – is a report available on the specific location and extent of the issue?	see last reports 2008 - 2011 - 2015
95	General All brush seals on unit are at risk of requiring replacement; are supply of same to be included in contractor offer, or are these supplied by Uniper?	included in contractor offer
96	Individual question	
97	What is the bearing weight of the floor behind the generator, amount of kN / m2?	see attachment 150357C02.1 ROCA
98	How high is the lifting height of the crane?	See attachment note of information 1, GT3 opstelling en samenstellingstekening
99	Scope of Work Frame 9 RoCa v1.0.xls. Column A, task 9: Lights, fans and fire alarms In responsibility of Contractor/UBX. Could responsibilities be clarified more in detail?	fire alarms will out of the scope (Hi Safe) now but to take the enclosure apart and removing fans and lights you have to align actifities with Uniper
100	Scope of Work Frame 9 RoCa v1.0.xls. Column A, task 13: Exhaust duct casing and diffuser. Repair casing and renew diffuser. Could exhaust frame repair work during the outage considered to be alternative for renew of exhaust frame?	exhaust frame repair can be offered as an option with detailed scope of repair

101	Scope of Work Frame 9 RoCa v1.0.xls. Column A, task 41: Inner barrel (incl. brush seals) New modified inner barrel. Could modification of inner barrel during the outage considered to be alternative for new modified inner barrel?	modification can be offered as an as an option
102	Scope of Work Frame 9 RoCa v1.0.xls. Column A, task 42: Rotor seal stator second stage turbine (discourager seal) Replace. Could this be planned to be an inspection instead of replacement considering the fact that seal has been replaced in outage 2015?	plan this as an inspection with option for replacement
103	Scope of Work Frame 9 RoCa v1.0.xls. Column A, task 127: Testing fire protection installation (Hi-safe). Could Customer recommend a suitable / preferable local company to perform this task in sub-contractul basis?	out of scope. Will be done by Hi Safe
104	Scope of Work Frame 9 RoCa v1.0.xls in overall. The meaning of blue font is unclear. Could it be clarified?	because there is some unclarity a new scope is attached in Nota 2
105	Scope of work Frame 9 RoCa v1.0.pdf. Page 3, chapter 2 Capital parts and consumables: Which, if any, consumables should be included to quotation?	consumables on stock by Uniper is minimal that means all consumables should be included. see also question 86 and 87
106	Scope of work Frame 9 RoCa / chapter 2 / 5 testing of fire protection installation: The full scope is likely removal of objects as required, re-installation and testing to ensure a correct operation. Is there any specific license required to be able to fulfill the job?	out of scope. Will be done by Hi Safe. see also question 99

Attachment on TenderNed:



Scope of work Frame 9 RoCa v1.1.xlsx



 150357C02.1 ROCA (3).pdf



 screen shots of the control screens