

Clarification Questions and Responses

Project Title: Request for Proposal (RFP) - Economic Development of Montserrat's existing Geothermal Wells

Date: 23rd December 2022

Clarification Question	Government of Montserrat(GoM) Response
1. Well Completion Report Mon1 and Mon2	The documents can be accessed via the document repository for this tender which can be accessed via the link below: https://www.dropbox.com/sh/mk2fv202tvxyvuv/AAAJ48YO8IAiQJAJ0yi30Dmza?dl=0
2. Drilling of Well Mon-3 from surface down to 2,668m: Geology, Well Logging and Injection Testing Report	
3. Montserrat Geothermal Wells Long Term Test Report	
4. Assessment of underground cable versus overhead line	
5. Drilling reports for wells Mon1 and Mon2 including any Geology, Well Logging and Testing Reports.	The end of Well reports for Mon-1 and Mon-2 has been added to the document repository for this tender. (Dropbox link) https://www.dropbox.com/sh/mk2fv202tvxyvuv/AAAJ48YO8IAiQJAJ0yi30Dmza?dl=0
6. A copy of the report on the maintenance of the geothermal wells recently completed by JRG Energy Consultants Ltd of Taupo, New Zealand.	The maintenance activities will be conducted in December 2022, hence the report on the Well maintenance is unavailable at this moment. Once the report becomes available, it will be included in the document repository for this tender.

28th November, 2022

7. The daily drilling reports for MON-3 which are noted on page 7 of 107 in an Appendix of the "Drilling of Well MON-3 from Surface down to 2668 m: Geology, Well Logging and injection Testing Report.	The requested information has been added to the tender repository.
8. Appendix G: Geochemical Interpretation Report from "MON_LONG TERM TEST REPORT_Final_ver4(002)	Already included in the tender repository.
9. Geologic Well Plan and Site Map from pg 22 of "MON1- End of Well Report	All the documentation on Mon-1 End of Well Report has been provided in the tender repository.
10. Stinton, A., Sparks, S., Tattitch, B., 2018. Summary Report on Geothermal Well MON-3 Core Logging. Montserrat Volcano Observatory.	This is an externally written paper and we do not have the rights to this paper.
11. Principe, C., 2008. Geothermal potential in Montserrat, scoping survey report. Istituto di Geoscienze e Georisorse, CNG, Pisa, Italy, 24 p	This is an externally written paper and we do not have the rights to this paper.
12. Auckland Uniservices Ltd.: Advanced Petrological study of the Montserrat Geothermal Project area. (2016)	This is an externally written paper and we do not have the rights to this paper.
13. Lynne, B., Browne, P., 2016. Advance Mineralogical Study for Geothermal Project	This is an externally written paper and we do not have the rights to this paper.

29th November, 2022

14. With the festive season upon us we find ourselves unable to make the site visit on 16 th December, and believe it will be important to make a physical visit. Please might it be possible to offer another date early in the New Year?	<p>Unfortunately, we are unable to move the date of the site visit.</p> <p>The site visit will be livestreamed and persons will be able to pose questions during the event.</p> <p>The livestream link will be shared at least one week in advance of the date for the site visit.</p>
---	--

7th December, 2022

15. Ministry of Communication, Works, Labour and Energy	Email: MCW@gov.ms	Tel: (1) 664-491-2521 /2522
16. Ministry of Agriculture, land, Housing and Environment	Email: Malhe@gov.ms	Tel: (1) 664-491-2075 / 2546
17. Ministry of Finance and Economic management	Email: Minfin@gov.ms	Tel: (1) 664-491-2777 / 3057
18. Montserrat Utility Limited (MUL)	Email: MUL@mul.ms	Tel: (1) 664 491 2441
19. Delta Petroleum Limited	Email: rsealy@deltapetroleum.com	Tel: (1) 664 491-9981/9602
20. Montserrat Port Authority	Email: info@mpa.ms	Tel: (1) (664) 491-2791
21. Is there a preferred site to be considered for the construction of the power plant, or at least a short list of site options? It was my understanding that the preferred option was to install the power plant directly at MON-1 or MON-2 platform.	Bidders are required to evaluate the data provided to determine the ideal siting for the power plant.	
22. In order to quote the civil works, are there some soil investigations available for the preferred site(s)? I understand that the geothermal platforms were completed by the Public Works Department in MCWL before Iceland Drilling completed the wells, maybe you have such information about soil investigations.	Soil investigation was conducted for the areas covered by the geothermal platform. This information will be added to the Tender repository.	
23. Could you please explain the following mechanism in paragraph 2.9? We do not understand the cap at 12.5%.	As a mechanism of improving the successful implementation of the project and to maximize the benefits to the residents of Montserrat, the Government would like to exercise all possible options to ensure project implementation. This clause was inserted to allow the Government of Montserrat (GoM) through negotiation with the preferred bidder to allow a financial injection from GoM to improve/reduce the tariff if necessary. The cap of 12.5% is meant to provide a profit margin for bidder and to limit GoM exposure.	
13th December, 2022		
24. Could you confirm that the geothermal plant can be built in the Exclusion Zone?	The Wells are located outside of the exclusion zone, construction of the plant can be done on the site of one of the Wells.	

25. I will attend the site visit remotely on December 16 because of agenda constraints; is there any objection on your side if I come to Montserrat in January (organizing the meetings on my own)?	You can conduct a visit at your convenience. However, any question(s) that you may have will have to be submitted in writing.
23rd December, 2022	
26. Are they typical weather conditions to consider for the design of the plant?	Local weather condition should be use for the design of the plant. Information on local weather conditions can be obtained from several sources such a The Caribbean Institute for Meteorology and Hydrology or even online weather sites such as https://www.wunderground.com/
27. Is there a minimum requirement (%) of local labour to consider for the construction of the plant?	No, however bidders will earn higher scores for incorporating a greater number of local labour in their bid proposal.
28. Are the roadworks associated with the interconnection facilities under the responsibility of the Bidder?	No.
29. Can the geothermal brine be reinjected to the see (since there is no reinjection well available)? If so, have you considered environmental requirements associated to the reinjection?	Bidders are welcome to propose varying plant configurations, the associated environmental impact and proposed mitigation method should be highlighted by the bidder in the submitted proposal. As part of the approval process for the construction of the plant, an environmental impact assessment will need to be undertaken at the expense of the bidder.