

 Dominica Geothermal Development Company Limited Powering a New Generation...	Bid Clarification Request (In accordance with ITB 7.1)	Reference Number: RZ042100-PGG-COM-0027
Dominica Geothermal Risk Mitigation Project Contract		
Subject: Calculation period for rainfall return contradictions & metrological data request		
Bid Document Clause: as below		
Detailed description of request Calculation period for rainfall return - Clarification on the following contradictions & request to provide the metrological data. In pag. 154/1756 - The basis of the analysis shall be on a 100-year annual return interval rainfall. The Contractor shall use the metrological data provided by the Employer and supplement it with further publicly available data to provide the best summary of rainfall conditions on the Site. In pag. 155/1756 - The site drainage shall be designed for the maximum peak rainfall as obtained from the meteorological data of the area, which shall, in any case, not be less than 80 mm/hr for a 30-minute duration, and shall be based on appropriate flood return periods which shall not be less than 1 in 10 years for open drains and 1 in 25 years for closed/pipe drains and outfalls. Surface run-off shall be calculated using the Rational Formula Method. In pag. 896/1756 - Design of the settling pond/sump should take into account the expected rainfall for short duration design storms (i.e. <30 minutes) which will have the highest intensity in a short time period. The settling system would ideally store the volume of a 5 or 10 yr ARI short duration event Enclosures: None		
Response: Ref section 3.3.1 Design for Surface Water Flooding, P154 This section requires a flood assessment of the surrounding area and then to establish how overland flow from adjacent land is diverted away from the Site, and to establish that the facilities do not exacerbate flooding or create problems downstream. This is based on determining the rainfall rate for the 100 year ARI. Ref section 3.3.2 Surface Water Storm Water, P155 This relates to the design of the storm water system on the Site. It is requiring the use of either 80mm/hr for 30 minutes, or the 30 minute 10 year rainfall for open drains / 30 minute 25 year rainfall for piped network, whichever is the higher. The Rational Method for the calculation of the peak flows is quite normal. Ref section 7.4.6 Power Plant Operation, P896 The requirements for stormwater settling ponds or sumps are set out in Specification clause 1.8 and its associated table. The ESIA is included to give the Contractor context to the documents.		
Enclosures: None		
This clarification does not require an Addendum to the Bid Document.		

Please acknowledge receipt of this clarification by completing the below information and returning to the sender:

Bidder Company Name _____

Bidder Contact Name _____

Date Received _____