

**Response to Pre-Bid Queries against NIT NO.RECPDCL/PMS/18-19/2763 dated-14.09.2018 for Supply of Weather Services, data and Forecast for the state of Haryana**

S NO.	Bidders Name	Clause No.	Clause in present form	Proposed clause/Suggestions	Response to Pre-Bid queries
1	M/s Climate Connect	In Section V, General Conditions of tender, Point No. 11 on page no. 10	Consortium/ Joint Venture Firm are not allowed to participate in this tender.	<p>Historical trends and weather are the most critical parameters for any load forecast exercise. Even the minutest of error in weather forecast can lead to a major error in load forecast having a cascading effect on the financials of a discom. Therefore, the ability to handle weather forecast inputs from multiple sources to generate a single forecast should be leveraged here. For this multiple weather sources data would be required so please look into this clause.</p> <p>The ability to undertake such an exercise would greatly reduce the risk of error on the weather front. (A combiner software that hedges risk of less accurate forecasts has already been incorporated in section 2.2 of the design of Renewable Energy Management Centre (REMC) software architecture issued by the PGCIL. The architecture combines forecasts from multiple sources to generate a single forecast that significantly reduces risk in prospective error.</p>	In case, the bidder takes data input from outside sources, which is then processed to create the deliverables, it will not be considered as consortium.
2	M/s Climate Connect	In Section VI, Eligibility Criteria, Point No.5 on Page 14	"Bidder should have access to network of at least 20 AWS(automatic weather station) in the Haryana state for providing live weather data.	Does the bidder must have the installed AWS for the major 18 load centres (given on Page no 8) or at any other 20 locations as per this clause in Haryana irrespective of considering the loaded area?	While AWS at the load centres is always preferable, it is not a must-meet requirement.
3	M/s Climate Connect	In Section IV, Scope of Work, Point No. 3.3 on Page No. 8	"Data has to be provided for upto 18 locations in the state of Haryana, covering major load centres	Does the bidder must have the installed AWS in the major 18 load centres or in any other 20 locations of Haryana (as per previous	Power loaded area prioritizing is not required
				How will the accuracy be evaluated? As still, there will be chances of +/- 1 degree error between two actuals in the same area.	Accuracy will be checked based on forecast and actual data provided by the bidder only.
4	M/s Climate Connect	In the Point No. 4, SLA, table given for Payments and deductions on Page No.9	"If the data provider fails to achieve the accuracy mentioned in point 1 and 2, payment shall be done onpro-rata basis. , calculation shall be done as per the formula given."	If payments and deductions are only based on two parameters i.e. temperature and Relative humidity then why there's need of high-end AWS or WMS mentioned? Please provide clarity on all the significant factors for the payments and deductions as it implies that there's no significance for the other 5 parameters.	Temperature and Relative Humidity are the two most significant factors affecting electrical load and hence have been kept as the performance evaluation criteria for monthly billing.

5	M/s Climate Connect & M/s Skymet Weather	In Section IV, Scope of Work, Point No.4, Bad weather early warning on Page No. 8	"In case of high probability of rainfall, storms, high wind or dense fog in the near future, a warning message is to be sent to utility control room.	How much prior the alert will be sent for bad or severe weather, the time is to be specified clearly. There's no evaluation on the time specified by different bidders to give the alerts before the event and also, there's no penalty/deduction for the false alarm as well, kindly clarify.	4 to 2 hour window is ideal for warnings. During winter, warning of early morning fog is expected by previous afternoon.
6	M/s Skymet Weather			How many revisions are required in a day for 24 hour ahead rolling forecast?	Minimum 3 revisions, 8 hours apart, are required.
7	M/s Skymet Weather			cloud coverage sensors -Is it required in AWS stations ?	Model based cloud cover data in forecast as well as actuals is acceptable.
8	M/s Skymet Weather			How much maximum penalty deviation is varied for temperature and relative humidity?	The maximum penalty possible is 20%.
9	M/s Skymet Weather			how many minimum AWS stations are required for live weather data ?	We require the bidder to have access to data of 20 weather stations in the state of Haryana.
10	M/s Skymet Weather			which one we have to use as a source for validating the forecast data?	Accuracy will be checked based on forecast and actual data provided by the bidder only.