

Amendment – II

Name of Works: Selection of Agency to Prepare Detailed Project Report (DPR) for feeder separation work in the state of Maharashtra for Maharashtra State Electricity Distribution Company Limited (MSEDCL)

<u>Tender Clause No.</u>	<u>Existing Provision</u>	<u>Proposed revision.</u>
1.0 SCOPE OF WORK	The DPR is to be prepared for works mentioned under Sr. No A and B below;	
A.	Separation of Mixed Feeder i.e. existing feeders which are feeding both Rural Customers as well as Agriculture Customer so as to have separate feeders for Agriculture customers and Rural Customers. This above work contains the following,	No Change
I.	Survey all the Mixed feeders (approx. 2700) capturing the relevant details like Railway Crossing, Highway Crossing, Forest, and such others	Survey & GPS mapping of the existing Distribution Transformers
II.	To collect GPS Coordinate of the proposed village DTs and Proposed New Feeder route	To capture GPS coordinates of Proposed Distribution Transformers along with other important locations such as railway crossing, NH Crossing, SH crossing, river/canal crossing etc. and such others where the feeder line is turning or angling and preparation of route map on any mapping software i.e. Google Map or Survey of India Map or any other compatible/ similar/ equivalent mapping software with appropriate/legible scale.
III.	Preparation of SLDs for proposed new feeders as well as existing feeders	Preparation of SLDs for proposed new feeders
IV.	Preparation of detailed Bill of Quantity	No Change

	based on the norms of MSEDCL for proposed new feeders for Rural Customers	
V.	Preparation of executable DPR for new proposed feeder.	No Change
B.	Assessment of requisite infrastructure to regularize almost 1.0 Lacs Agricultural Customers connected on as is where basis The scope of work under above work contains:-	No Change
I.	Identification of nearest HT Points from where a particular Agriculture customer may be connected and considering this, estimation of infrastructure required for connection.	No Change
II.	Preparation of SLDs.	No Change
III.	Preparation of executable DPR for new proposed feeder including, material required, costing and other relevant details.	No Change
If anything not specifically mentioned above but is required to complete the works as per its intent, is in the scope of Bidder.		
Note - The above work is to be carried out Circle wise and submission of DPR shall also be Circle wise.		
In order to complete the scope of work, the successful agency may be required to do the following activities;		
(i).	Assessment of existing Electrical infrastructure	Load details of existing Distribution Transformers in Mixed Feeders are to be assessed to classify them under Agricultural or Domestic usage
(ii).	Mapping and identification of existing agriculture and rural customers	Mapping of existing Distribution Transformers under Mixed Feeders.
(iii).	GPS survey of existing 11 kV Lines emanating from substations, distribution transformers, connected LT network as well as disposition of	GPS survey of only existing Distribution Transformers under Mixed Feeders.

	consumers	
(iv).	Mapping of related data on compatible software and preparation of SLD with all necessary attributes including but not limited to indication the location of HT poles, location of consumers, NH crossing, SH Crossing, Railway crossing etc.	Mapping of related data on compatible software and preparation of SLD with all necessary attributes including location of Existing & Proposed Distribution Transformers , other important locations such as railway crossing, NH Crossing, SH crossing, river/canal crossing etc. and such others where the feeder line is turning or angling .
(v).	Assessment of existing and proposed load	No Change
(vi).	Study of Practice followed by MSEDCL and other leading best practices being adopted by other leading utilities	No Change
(vii).	Techno-economic network design for dedicated Agriculture/ Rural Feeders including but not limited to type and length of poles, span length, type of line (OH or UG), type of conductor/ cable and other accessories.	No Change
(viii).	Based on the aforesaid survey and load details, route of proposed dedicated Rural/ Agriculture feeder of 11 kV Line shall be determined and it is required to be mapped the proposed new feeder on Survey of India maps of appropriate scale.	Deleted (as Covered above)
(ix).	Identification of execution hurdles and strategy for smooth implementation	No Change

Inputs Provided by RECTPCL/MSEDCL:

- i) **List of existing Mixed Feeders to be surveyed**
(Region/Zone/Circle/Division/Sub Division/Sub Station/Feeder Name/Feeder Type)

- ii) **List of Villages on Single Phase & Mix Feeders**
(Region/Zone/Circle/Division/Sub Division/Sub Station/Feeder Name/Feeder Type/Village Name)
- iii) **List of Pending approx. 1.0 lac Agricultural Consumers**
(Region/Zone/Circle/Division/Sub Division/Village)
- iv) **Agricultural consumer information for pure Ag Feeders**
(Zone/Circle/Division/Sub Division/SS Name/Feeder Name/Feeder Type/DTC Details/Total Ag Consumers/Total Ag Load/Metered Ag Consumer/Metered Ag Load/Unmetered Ag Consumer/Unmetered Ag Load/Non Ag Consumer & Load)