

### Corrigendum

**Name :- Appointment of Project Design & Management Agency (PDMA) for Implementation of SMART grid Infrastructure including Enhancing of Existing Network in NDMC Power Distribution Area.**

**Ref.:- Queries raised by bidders during pre-bid meeting held on dated 06.06.2016.**

<b>The last date of submission of bid has been extended from 16/06/2016 to 28.06.2016</b>			
<b>S.No.</b>	<b>Clause</b>	<b>Clarification/Suggestion</b>	<b>Reply</b>
<b>Replies to the queries of M/s. BV received via e-mail.</b>			
1.	<b>Page No. 5</b> 1.12 The work will be considered as a whole and indivisible between member of consortium	NIL	No change in RFP.
2.	<b>Page No. 6</b> d) Bidders may carry out Project Site visits/ inspections/ testing at their own cost.	It will be difficult to assess the number of visits, inspections/testing right now as it may depend on OEM technology & condition of existing network. Therefore, we request NDMC to define number of visits per month in the bid to keep everyone at par.  Please provide a list of project sites that are available for site visits per item E below.	No change. Bidders have to satisfy themselves before quoting the rates, by carrying out Project site visit/inspections/testing at their own cost for which sufficient time is available.
3.	<b>Page No. 7</b> n) If for any reason, any project area in whole or part is not available for work, the agreed schedule shall be suitably modified. However, under no circumstances the successful Bidder shall be entitled to any relaxation, whatsoever, on this ground and he shall re-organize his resources to suit the modified schedule.	We expect to define some upper limit on number of days otherwise this contract will become indefinite in nature.  We suggest incase the delay is more than 10 days attributable to customer the customer will compensate as per change request (per Diem and other expenses) to the contractor	No change. Justified delay shall be covered under clause no. 5.17, "Extension of Time".
4.	<b>Page No. 8</b> r) If during the course of execution of the project any minor revisions to the work requirements etc.	We request NDMC to define minor revisions or battery limit of "Minor Changes"	No change. Minor Revision or battery limit of minor changes cannot be specified at this stage. Any work not mentioned in the

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	are to be made to meet the goals of ether project, such changes shall be carried out without any cost		schedule of work and essentially required for successful completion of the Work, shall deemed to have been included in the scope of work. Nothing extra on any such account shall be paid.
5.	<p><b>Page No. 9</b></p> <p>2.4 Site visit and verification of information</p> <p>a. Bidders are encouraged to submit their respective Bids after visiting the Project site and ascertaining for themselves the site conditions, weather data, Applicable Laws and regulations, and any other matter considered relevant by them.</p>	<p>a. We request NDMC to provide basic existing site data in a corrigendum so a price can be developed. We request at least the following be provided:</p> <ul style="list-style-type: none"> <li>a. Number of Substations</li> <li>b. Number of distribution transformers</li> <li>c. Single line diagrams of all Substations included in the project</li> <li>d. Connected Load, (Residential, Commercial , Industrial if any)</li> <li>e. Present status of GIS, Automation and ICT status in NDMC</li> <li>f. What is present outage frequency and duration of the same</li> <li>g. Overhead conductor and underground cable details Peak Load and Nonpeak load (season wise)</li> <li>h. Present AT&amp;C Losses Also request NDMC to define the improvement in KPI they will be expecting after successful completion of this project</li> </ul>	<p>The required Data is attached at Annexure-A. Trajectory for AT&amp;C loss reduction is as under:-</p> <ul style="list-style-type: none"> <li>FY 15-16 - 17%</li> <li>FY 16-17 - 16.5%</li> <li>FY 17-18 - 15%</li> <li>FY 18-19 - 13.5%</li> <li>FY 19-20 - 12.5%</li> <li>FY 20-21 - 11%</li> <li>FY 21-22 - 9.5%</li> </ul>
6.	<p><b>Page No. 13</b></p> <p>c. In order to afford the Bidders a reasonable time for taking an Addendum into account, or for any other reason, the NDMC may, in its sole discretion, extend the Bid Due Date</p>	<p>This is a complex bid with limited information provided regarding the number of sites to date. We request 4 weeks extension of bid submission from present date.</p>	<p>The date of submission of final bid has been extended from 16.06.2016 to 28.06.2016.</p>
7.	<p><b>Page No. 22</b></p> <p>I. Operationalization of existing SCADA Infrastructure</p>	<p>Please further describe and define the phrase "operationalization of existing SCADA infrastructure" and provide the following additional detail of existing SCADA:</p>	<p>Please refer clause no. 2.1 (d) at page no. 6 of RFP.</p>

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		<ul style="list-style-type: none"> <li>a. Vendor and software</li> <li>b. Year of commissioning</li> <li>c. Number of RTUs installed</li> <li>d. Number of RTUs licensed</li> <li>e. Hardware and software details</li> <li>f. Point limits</li> <li>g. Protocol(s) used and supported</li> <li>h. System architecture drawings</li> </ul>	
8.	<b>Page No. 22</b> 3.5 Selected bidder to establish a Project Management Office with 30 days from the date of award of work, and that will remain operational till the implementation phase is completed for all the SMART Grid Infrastructure Components including enhancing Existing Network. Office arrangement for the Project Management Unit (PMU) will be arranged by NDMC	We understand the office space and necessary office infrastructure shall be provided by NDMC to the PDMA . Also all utilities charges like Telephone, Mobile bills, Xerox, printing , Car facility for site visit etc shall be provided by NDMC or will be reimbursed on submission of bills . This will be extra and not part of the contract price.	NDMC will provide only raw space without furniture for establishing Project Management Unit (PMU). All other expenses will be borne by preferred bidder. However basic services like electricity, air conditioning, lifts etc. will be provided on chargeable basis at prevailing rates.
9.	<b>Page No. 23</b> 3.6 To establish a Project Management Unit (PMU) and deploy minimum of the following resources at Project site. Additional resources required as per the project requirements shall be assessed by the selected bidder and to be deployed as and when required. A detailed resource deployment plan is to be submitted by the bidder in their technical bid.	<p>Do we need to deploy the minimum no of person as mentioned in RFP for complete contract duration i.e 48 months pl clarify.</p> <p>We suggest NDMC to allow PDMA to deploy the resource at site based on the requirement. This will help us in giving the competitive proposal.</p> <p>Also we recommend that NDMC weight foreign/global experience. AMI and Smart Grid functionalities are new and evolving and this will help in designing a world class infrastructure</p>	<p>The number of persons as mentioned in RFP is only for project implementation period. The number of persons required during post implementation period is attached at Annexure-B.</p> <p>Members of consortium/sole bidder may have foreign/global experience but experience should be in the name of company registered in India.</p>
10.	<b>Page No. 23</b> Chief Project Manager- Smart Grid Project Qualification Degree in Electrical	<p>As mentioned above , Smartgrid is a new technology involves many functionalities and technologies. We request you to modify</p> <ul style="list-style-type: none"> <li>a. Qualification : Degree in Electrical/ Electronics (MBA degree Optional )</li> </ul>	No change.

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		<p>b. Also one of the major requirement of IPDS is to enhance the distribution system to HVDS we request to allow experience of sub transmission (up to 132KV ) also as key expertise.</p> <p>c. Experience in delivery or consultancy of project involving following functionalities</p> <ol style="list-style-type: none"> <li>1. Implementation of Peak Load Management</li> <li>2. Integration of Distributed generation to grid</li> <li>3. Implementation/Design of EV charging system</li> <li>4. Integration /Design of Energy Storage</li> </ol>	
11.		<p>We understand, " <u>Similar work means Project Management consultancy for IPOS/R-APDRP works</u> "is for guideline purpose only. Please clarify if Global projects will also qualify.</p> <p>Also it is expected the EV will grow in NDMC area and also the emphasis on Green fuel, we request NDMC to add project experience in EV System setup as key PQ of the consulting company.</p> <p>Since, we are fully owned subsidiary of global company. We understand we can use project experience/credentials of parent company in this project.</p>	<p>Project experience /credentials of Parent company are not allowed. Global/foreign experience of company registered in India are allowed. No experience of EV will be considered.</p>
12.	Experience of Project management and Consultancy No. of 25 work in Power Distribution projects in India under RAPDRP/ IPDS in last 7 years	We request you to change this to International project also. Multinational companies who have not participated in RAPDRP/IPDS project may not qualify for this bid.	No change.
13.	Team Profile (Maximum Marks 20)	We understand the proposed team member can be sub consultant also.	All the team members should be on pay roll of the company.
14.	<b>Page 24</b> <b>3.8 Engagement Period</b>	1. We would appreciate if there is a defined or mutually agreed upon process and time period of say 4-6 weeks for acceptance after completion of work.	Engagement period has been changed, please refer Sr. No. 49.

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	<p><b>a. Project Design, Procurement &amp; Establishment Phase (24 months)</b> # Establishment of all SMART Grid Infrastructure Components including enhancing Existing Network mentioned above is required to be completed within 24 months from the date of agreement.</p> <p>However this phase will be considered completed after operational acceptance by NOMC for all SMART Grid Infrastructure, hence POMA to remain engaged till that milestone.</p>	<p>There is risk if work is delayed due to reasons not in control of the bidder – how will this be accounted for as the project delay will impact the cost to the bidder.</p> <p>2. What will be the start date of the 3.8 b. Post Implementation – Hand Holding Phase (24 months) in case there is delay in accepting the</p> <p>3.8 a. work? Delay in 3.8 a. acceptance may delay this work too and impact the project cost to the bidder</p>	<p>The start date of Post implementation phase is the next date on which final operation of complete smart grid system accepted by NDMC.</p>
15.	Is protection and control (settings) of substation devices (relays etc.) excluded from the design work or included?	Pl clarify.	Protection and control settings of substation devices included in the scope of work.
16.	Team Profile Project Manager- Network Strengthening Experience :min 15 years	<p>Since Network Strengthening work is similar to up to 132 kV Level and for any construction power work. We request you to modify</p> <ul style="list-style-type: none"> <li>i. Experience in relevant or upto 132 kV System or in construction power package system. At least ..... commissioning</li> <li>ii. Power Distribution experience upto 132 kV or construction power experience (At least 5 years)</li> </ul> <p>Also one of the major requirement of IPDS is to enhance the distribution system to HVDS we request to allow experience of sub transmission (up to 132KV ) also as key expertise.</p> <p>Post-Graduation Degree may be optional</p>	No change.
17.	Project Management sub clause e.	We understand that Right Of Way & statutory clearance will be responsibility of NDMC.	Yes, right of way & statutory clearance will be responsibility of NDMC.
18.	3.3g on page 22 as “Advanced Distribution Management System (ADMS)”	1) Does the scope include the delivery of an ADMS directly or will this include specification development, bidder selection, and	1) The scope of consultant doesn't include delivery of

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		<p>implementation.</p> <p>2) If an ADMS is to be provided directly, please indicate</p> <p>a) What centralized ADMS applications are required for implementation, such as Volt/VAR optimization (VVO), Fault Location Isolation and Service Restoration (FLISR), Faulted Circuit Indication (FCI), Feeder SCADA, adaptive relaying, automatic switching, PQ metering, physical and cyber security etc.</p> <p>b) What level of redundancy is required</p> <p>c) What control room equipment is required and whether a new control center is required</p> <p>d) How many distribution circuits are to be included in the ADMS</p> <p>Whether the equipment being installed under 3.1 on page 22 will be adjusted to include equipment that can support the ADMS</p>	<p>ADMS but include consultancy part of ADMS.</p> <p>2) N/A</p>
<b>Additional Replies to the queries of M/s. BV received via e-mail.</b>			
19		NDMC will add few KPI as part of deliverables like SAIFI, SAIDI, response time etc. This is to make the NDMC system more resilient and world class. It is important because the design will be done by the consultant the implementation company will do the implementation	Please refer S.No. 5.
20		The PDMA should have experience in Cyber security as one of the pre qualification. This is the key focus by all utilities because the payment transaction, customer database, and other critical informations also to avoid possible sabotage by cyber attack. NDMC serves high profile customer and it is important to have cyber security information as must	Designing of cyber security for SCADA network has been added in the scope of work of consultant under clause no. 3.3 at page no. 22 at point (m) of RFP which read as "to develop platform in cyber security of existing as well as proposed SCADA network.
21		10% of Total contract value as advance or against submission of blue print	Please refer Sr. No. 48
22		IPDS/RAPDRP experience to be relaxed with global experience	No change.
23		Global company with 100% Indian subsidiary can use	Please refer to Sr. No. 9

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		the parent company experience	
24		Expert team should include "Cyber Security expert" as must	Please refer to Sr. No. 20
25		Existing data like SLD, S/S detail, customer base etc to be shared	Please refer Annexure-A.
<b>Reply to the queries of M/s. EDF received via e-mail.</b>			
26	<b><u>Clause No. 6.3</u></b>  <b>Key Milestones</b> Last date and time of Receipt of Tenders	Kindly extend the last date of submission by 1 month	Please refer Sr. No. 6.
27	<b><u>Clause No. 4.3</u></b>  <b>Eligibility Criteria</b> General	Under the present Terms & Conditions, one of the important phase of project is "Post-Implementation-Handing phase (24 Months). Generally such is only available with Utilities, who actually owns and operates the Network,. Therefore, looking at this important aspect, out request is include "Past Experience on Operation & Maintenance of Distribution Networks or Experience as Power Distribution Utility" as mandatory qualifying criteria.	No change.
28	<b><u>Clause No. 4.3 (C) Point 4</u></b>  <b>Eligibility Criteria</b>	Under the present terms & conditions, the experience regarding "network strengthening" of a particular Bidder is counted only on account of past experience on IPDS/ R-APDRP Works". To conduct such specific task of Network Strengthening, generally large experience on "Network Modeling/Designing" is essential. Therefore, we hereby request to kindly include" Experience on Network Modeling/Designing" also as pre qualification requirement. Our specific request for Amendment the last line of Section 4.3 (c) as follows: "Similar works means Project Management.	Layout design of replacement of LT cable, HT cables, panels, transformers, capacitor bank is not part of the scope of work. However preparation of specification and bid documents for component of network strengthening work shall be in the scope of consultant. (Added as clause 3.2 (i) in the RFP at page no.22)
29	<b><u>Clause no. 4.3 (C) Point (9) (viii)</u></b>	Please note that the critical challenge is to integrate the intimacy of large scale renewable source (specific Roof top solar plants, which will coming up in NDMC area) in Distribution Area. for, this we need specific software/system like- "Distributed Energy Resource Management System". Therefore our specific request are as follows:- " Renewable integration and Net Metering experience of large Scale Renewable Power Plants on Distribution Grid".	No change.

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30	<b>Clause No. 4.6 (2)</b> Technical Evaluation	As mentioned above, under the present terms & conditions, the experience regarding "Network strengthening" of a particular Bidder is counted only on account of past experience on IPDS/R-APDRP Works". To conduct such specific task of Network Strengthening. Generally large experience on "Network Modeling of Designing/Large Transmission & Distribution Projects" is essential. Therefore, we hereby request to also kindly include "Experience on Network modeling/Designing/Large Transmission projects".	No change. Experience of network strengthening in sub-transmission and distribution system is required as per RFP.
31	<b>Clause No. 5.10</b> Payment Terms	Kindly clearly specify the definition of "Final Operational Acceptance of smart Grid system". In addition, kindly clearly specify the definition of "Provisional operational acceptance" for various system mentioned in payment terms.	"Final Operational Acceptance of Smart Grid System" means when smart grid is fully functional and stabilized for period of minimum 15 days. Provisional operational acceptance means when system is fully operational but not fully stabilized.
32	General	Kindly specify the budget of this consultancy contract.	The work will be awarded to the bidder as per QCBA criteria of evolution mentioned in RFP.
<b>Additional Reply to the queries of M/s. EDF received via e-mail.</b>			
33	<b>Section 1 Article Number 6.3 (Page 4)</b>  <b>KEY MILESTONE</b>  Last Date and Time of Receipt of Tenders	Kindly extend the last date of submission by 1 Month	Please refer S.No. 6.
34	<b>Section 4 Article Number 4.3 (Page 29)</b>  <b>ELIGIBILITY CRITERIA</b>  General	Under present Terms & Conditions, one of the Important Phase of Project is "Post -Implementation - Handling Phase (24 Months)". Generally such experience of operation & maintenance is only available with utilities, which actually owns and operates the Network.  Therefore, looking at this important aspect, our request is to include "Past Experience On Operation &	Please refer Sr. No. 27.

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		Maintenance of Distribution Networks / Experience as Power Distribution Utility" as mandatory qualifying criteria	
35	<p><b><u>Section 4 Article Number 4.3 (c) Point (1) (Page 29)</u></b></p> <p><b><u>ELIGIBILITY CRITERIA</u></b></p> <p>"Legal Entities ...before the bid submission date".</p>	<p>Under present Terms &amp; Conditions, Sole Company or Companies as part of Consortium should be registered entity under Companies Act 1956/2013, for at least 5 Years before the bid submission date.</p> <p>Kindly note that Project comprises of very niche technology intensive area. The extensive experience of such Technologies (Like AMI, Large Scale Renewable Integration) is generally present with large European/ American Utilities. Further, looking at this scenario, Indian Companies will form consortium with these foreign companies.</p> <p>Therefore, looking at this important aspect, for a consortium, our request is to consider the Incorporation of only Lead Bidder as a mandatory condition. Therefore, we hereby request you to amend the Article 4.3 ('C) Point 1 last statement as follows</p> <p>"Companies participating as Sole Bidder should be registered entity for at-least five years before the bid submission date. In case of consortium, only Lead Bidder should be registered entity for at-least five years before the bid submission date.</p>	No change.
36	<p><b><u>Section 4 Article Number 4.3 ('c) Point (4) (Page 30)</u></b></p> <p><b><u>ELIGIBILITY CRITERIA</u></b></p> <p>"Bidder should experience.... As mentioned above"</p>	<p>Under present Terms &amp; Conditions, the experience regarding "Network Strengthening" of a particular Bidder is counted only on account of past experience on IPDS/ R-APDRP Works".</p> <p>The Project also consists of Certain Technology Specialized Area Like "Creation of Advanced Metering Infrastructure". To conduct such specific task of Network Strengthening/ Creation of AMI, generally large experience on "Network Modeling/Designing/AMI" is essential.</p> <p>Therefore, we hereby request to kindly include</p>	No change.

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		<p>"Experience on Network Modeling/ Designing/ Large Transmission &amp; Distribution Projects" also as pre qualification requirement.</p> <p>Our specific request for Amendment the last line of Section 4.3 ('c) as follows : "Similar works means Project Management Consultancy for IPDS/R-APDRP/Large Transmission &amp; Distribution Projects/Network Modeling or Designing Works"</p>	
37	<p><b><u>Section 4 Article 4.3 ('c) Point (9) (viii) (Page 31)</u></b></p> <p><b><u>ELIGIBILITY CRITERIA</u></b></p> <p>Technology Projects Experience "Renewable Integration... Implementation Agency"</p>	<p>Please note that the critical challenge is to integrate large scale renewable source (specific Roof top Solar Plants, which will coming up in NDMC area) in Distribution Grid.</p> <p>For, this we need specific software/systems like - "Distributed Energy Resource Management System". Under present Terms &amp; Conditions, eligibility is based on only successful demonstration of 1 MW Solar Plant.</p> <p>Therefore our specific request is as follows : "Renewable Integration and Net Metering experience of large Scale Renewable Power Plants (at least 50 MW Solar Roof Top Plants) on Distribution Grid"</p>	No change.
38	<p><b><u>Section 4 Article 4.6 (2) (Page 34)</u></b></p> <p><b><u>TECHNICAL EVALUATION</u></b></p> <p>"Project Management and ....equal to seven"</p>	<p>As mentioned above, Under present Terms &amp; Conditions, the experience regarding "Network Strengthening" of a particular Bidder is counted only on <u>account</u> of past experience on IPDS/ R-APDRP Works".</p> <p>To conduct such specific task of Network Strengthening, generally large experience on "Network Modeling or Designing/Large Transmission &amp; Distribution Projects" is essential.</p> <p>Therefore, we hereby request to also kindly include "Experience on Network Modeling/Designing/Large Transmission Projects"</p>	No change. Please refer Sr. No. 28. RFP.
39	<p><b><u>Section 5 Article 5.10(iii) (Page 40)</u></b></p>	<p>Kindly clearly specify the definition of "Final Operational Acceptance of Smart Grid System". In addition, kindly clearly specify the definition of</p>	Please refer Sr. No. 31.

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	<b><u>PAYMENT TERMS</u></b> Payment Schedule	"Provisional Operational Acceptance" for various systems mentioned in Payment Terms	
<b>Reply to the queries of M/s. REC POWER DISTRIBUTION COMPANY LIMITED, NEW DELHI received via e-mail.</b>			
40	<b><u>4.3 (c) Point 4 ,Page No. 30</u></b> Bidder should have experience successful completed works during the last 7 years experience ending previous day of last date of submission of RFP. Similar work experience: Bidder should have experience of successfully completed Project Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs 270 Crores each or one work of project costing Rs 360 Crores. Similar work means Project Management consultancy for IPDS/R-APDRP works. NOTE:-Lead bidder should have experience of at least completion of one work as mentioned above.	1) As IPDS/ R-APDRP are recent scheme and projects under these schemes are in execution stage and there is no much completion happened in any state, thus we suggest to accept Approved DPRs and Work Orders as proof to suffice the requirement under this clause. 2) We suggest to consider the experience of other partners also in case of consortium.	Clause No. 4.3 (C) point no. (4) shall be read as under:-  Bidder should have prior experience / is currently engaged as Project Management and Consultancy work in Electrical Network Strengthening Field in Power Distribution Sector for last 7 years Similar work experience: Bidder should have experience of successfully completed/currently engaged Project for Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs 270 Crores each or one work of project costing Rs 360 Crores. Similar work means Project Management consultancy for IPDS/R-APDRP works. NOTE:-Experience of all consortium member will be considered in proportionate term.
41	<b><u>4.3 (c) Point 9,Page No. 31</u></b> Bidder should have at-least 30	We understand from Project scope that bidder needs to deploy 16 permanent technical experts and there will be 10-15 resources for support which totals to around 25-	NO change.

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	Technical Subject Matter Experts on-roll (Minimum 5 year's SMART Grid Technology Experience with electrical engineering degree) in Operational / Commercial / Technology field in the Power Distribution Sector as on the date of Bid Submission. Qualification Certificates along with TDS certificates of all such employee. In case of consortium, this can be meet jointly by all the consortium members.	30 technical experts for the project. As per RFP, bidder having 30 Technical experts on its roll shall suffice the requirement which we understand to be on a lower side due to risk of high attrition rate in this market.  We suggest to modify the clause as under: Bidder should have at-least 100 Technical Subject Matter Experts on-roll (Minimum 5 year's SMART Grid Technology Experience with electrical engineering degree) in Operational / Commercial / Technology field in the Power Distribution Sector as on the date of Bid Submission. Qualification Certificates along with TDS certificates of all such employee. In case of consortium, this can be meet jointly by all the consortium members.	
42	<b>3.8(b), 3.9 Page No. 24</b>  <b>Post Implementation - Hand-holding Phase (24 Months) #</b> Appointed Program Management and Consultancy Firm to provide hand-holding, Capacity Building, SLA Monitoring and Vendor Management Support to the NDMC for two years post rollout of the system. If NDMC requires, this period can be further extended for another one years at mutually agreed Terms and Conditions at that time but not more than the cost of one year post rollout charges.	We understand that the system developed under this project will have minimum lifecycle of 5 years with requirement of lot of coordination with PDMA. In order to maximize the benefit from the system, we suggest to modify the handholding phase duration.  We suggest to modify the Post Implementation - Hand Holding phase to 36 months with a provision for extension of 2 years.	No change.
43	<b>3, Page No. 36</b>	In RFP, minimum requirement of resource to be deployed during Project Design, Procurement & Establishment phase is mentioned. Similarly, we request you to indicate the minimum resource requirement during Post Implementation - Hand Holding phase. This is currently missing in RFP.	The minimum resources required during post implementation- Hand holding phase is given at Annexure 'B'.
44	<b>2.9, Page No. 13</b> Bid Submission Related	Request you to please specify the number of copies of bid which needs to be submitted along with the original.	Only One copy is required.

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45	<b>2.9 (b), Page No. 14</b> Envelope C: 1. Financial Bid Submission Letter 2. Financial Bid	We understand that bidder needs to submit Financial Bid Submission letter and Financial Bid but in RFP we could find only one format in Annexure 6 for Price Proposal. Request you to clarify what format is to be used for submission of these documents.	Please refer Annexure- '6' of RFP.
46	<b>5.4, Page No. 38</b> Payments shall be made promptly by the Purchaser, not later than sixty (60) days after submission of an invoice	In order to maintain positive cash flow, we suggest to modify the clause as under: Payments shall be made promptly by the Purchaser, not later than thirty (30) days after submission of an invoice.	Clause 5.4 (i) on page 38 of RFP be read as under:- Payments shall be made promptly by the Purchaser, not later than thirty (30) days after submission of an invoice along with supporting documents or request for payment by the Supplier, and the Purchaser has accepted it. But if the progress is not satisfactory and according to agreed work program / schedule the payment may be withheld
47	<b>5.9, Page No. 39-40 &amp; 70</b> A sum equivalent to 0.5% of the value of the service, supplied beyond delivery schedule for each week or part thereof of delay until actual performance, subject to a maximum of 10% of value of such service.	Being this a consultancy assignment, the maximum limit of LD (10%) considered in RFP is on higher side.  As per industry practice, we suggest to modify the clause as under: A sum equivalent to 0.5% of the value of the service, supplied beyond delivery schedule for each week or part thereof of delay until actual performance, subject to a maximum of 5% of value of such service.	No change.
48	<b>Payment Schedule:</b> a) Fixed monthly payment (40% of total PDMA fees establishment phase) b) Milestone Linked (50% of PDMA fees Establishment phase) c) Final Operational Acceptance of Smart Grid System (10% of	This is a consultancy assignment which requires the mobilization of man power, thus mobilization advance is required which is also as per IPDS guidelines.  Also, as per IPDS/ R-APDRP guidelines & industry practice we suggest to modify the clause as under:  a) Advance - 10 % of total PDMA fees establishment phase	Clause no. 5.10 of RFP be read as under:- (i) (a) AS-IS Study report, System Design Report and Final BOQ for all modules - 10% of the PDMA fees (b) Fixed Monthly payment (40% of the PDMA Fees Establishment Phase) in 30 equal monthly installments.

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	PDMA Establishment Phase)	<p>b) Fixed monthly payment (40% of total PDMA fees establishment phase)</p> <p>c) Milestone Linked (40% of PDMA fees Establishment phase)</p> <p>d) Final Operational Acceptance of Smart Grid System (10% of PDMA Establishment Phase)</p>	<p>(ii) Milestone Linked payment Submission 40% of the PDMA Fees (Establishment Phase)</p> <ol style="list-style-type: none"> <li>1. Floating of Tenders for selection of selection Solution providers (at-least 90% of the total Project Estimated Cost) – 15%</li> <li>2. Award of implementation work(at-least 90% of the total Project Estimated Cost) – 25%</li> <li>3. Provisional Acceptance of DATA Centre and Call centre with Hardware and System Software – 20%</li> <li>4. Provisional Operational Acceptance of AMI System – 15%</li> <li>5. Provisional Operational Acceptance of Network Strengthening Work – 15%</li> <li>6. Provisional Operational Acceptance of the Application (GIS, ERP, CRM, Power Portfolio and Network Analysis System – 10%</li> </ol> <p>(ii) Final Operational Acceptance of complete SMART Grid System – 10% PDMA Fees (Establishment Phase)</p>
49	<p><b>6.2,Page No. 46</b></p> <p>The term of this Agreement shall be a period of three years from the date of signing this Agreement or</p>	<p>There is a contradiction of this clause with clause 3.8 of Section 3 (Page 24), wherein engagement period is mentioned as 48 months.</p>	<p>Clause No. 6.2 is deleted. Clause no. 3.8 of RFP be read as under:-</p> <p>The term of this Agreement shall be a period of 54 months</p>

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	till one year after completion of the PDS project	Please clarify what engagement period to be considered for this bid.	<p>from the date of signing of this agreement as detailed here under:-</p> <p>(a) <b>Project Design, formulation and award of work (6 months).</b></p> <p>(b) <b>Procurement &amp; Establishment Phase (24 months)</b> Establishment of all SMART Grid Infrastructure Components including enhancing Existing Network mentioned above is required to be completed within 24 months. However this phase will be considered completed after successful operational acceptance by NDMC for all SMART Grid Infrastructure, hence PDMA to remain engaged till that milestone.</p> <p>(c) <b>Post Implementation- Hand Holding Phase after successful completion of project work (24 months)</b> Appointed PDMA Firm to provide hand-holding. Capacity building, SLA Monitoring and Vendor Management Support to the NDMC for two years post rollout of the system. If NDMC requires, this period can be further extended for another one years at mutually agreed Terms and Conditions at that time but not more than the cost of one year post rollout charges.</p>
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50	<p><b><u>9.16, Page No. 58</u></b></p> <p>Any sum which becomes payable under any of the provisions of this Agreement by the PDMA to the NDMC shall, if the same be not paid within the time allowed for payment thereof, shall be deemed to be a debt owed by the PDMA to the NDMC. Such sum shall until payment thereof carry interest at 18% per annum from the due date for payment thereof until the same is paid to or otherwise realized by the NDMC.</p> <p>Provided the stipulation regarding interest for delayed payments contained in this Clause 8.19 shall neither be deemed nor construed to authorize any delay in payment of any amount due by the PMA nor be deemed or construed to be a waiver of the underlying breach of payment obligations.</p>	<p>a) There is a reference of clause 8.19 in the text. Request you to please clarify what is clause 8.19.</p> <p>b) We suggest to keep a provision in this clause wherein it is mentioned that if there is delay in payment to PDMA by NDMC then payment shall carry interest at 18% per annum.</p>	<p>a) Clause 8.19 mentioned under clause 9.16 be read as clause 9.16.</p> <p>b) No change.</p>
51	<p><b><u>12.8 (v), Page No. 67</u></b></p> <p>Notwithstanding anything contained in this Agreement, the right of NDMC to vacant and peaceful possession of the Project Facilities, upon Termination is absolute. If the PDMA fails to deliver vacant and peaceful possession of the Project Facilities as contemplated in this provision, the PDMA shall be liable to pay to NDMC and NDMC shall be entitled to recover from the PDMA, an</p>	<p>This clause is not acceptable to us considering this has very high financial risk and will significantly increase the bid value. This clause is also not inline with any other similar assignment under IPDS / R-APDRP scheme.</p> <p>We strongly suggest to delete this clause.</p>	<p>No change.</p>

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	<p>amount that represents a genuine estimate of the losses, damages and costs suffered by NDMC by way of liquidated damages. The parties agree that the said liquidated damages shall be calculated at the rate of 200% of the applicable Contract Fee for the year when the Contract is Terminated plus the costs incurred by NDMC for recovery of the Project Facilities. Such liquidated damages shall be recoverable from the Termination Date to the date when NDMC receives vacant and peaceful possession of the Project Facilities. Provided, the recovery of liquidated damages shall be without prejudice to the rights and remedies available to NDMC against the PDMA who shall be deemed to be a trespasser in illegal and unauthorized possession and occupation of the Project Site and Project Facilities, upon Termination.</p>		
<p><b>Reply to the queries of M/s. TATA POWER received via e-mail.</b></p>			
52	<p><b>4.3 (c) Point 4 ,Page No. 30</b>  Bidder should have experience successful completed works during the last 7 years experience ending previous day of last date of submission of RFP. Similar work experience:  Bidder should have experience of</p>	<p>1) As IPDS/ R-APDRP are recent scheme and projects under these schemes are in execution stage and there is no much completion happened in any state, thus we suggest to accept Approved DPRs and Work Orders as proof to suffice the requirement under this clause.  2)We suggest to consider the experience of other partners also in case of consortium.</p>	<p>Please refer Sr. No. 40</p>

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	<p>successfully completed Project Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs 270 Crores each or one work of project costing Rs 360 Crores. Similar work means Project Management consultancy for IPDS/R-APDRP works.</p> <p>NOTE:-Lead bidder should have experience of at least completion of one work as mentioned above.</p>		
53	<p><b>4.3 (c) Point 9,Page No. 31</b></p> <p>Bidder should have at-least 30 Technical Subject Matter Experts on-roll (Minimum 5 year's SMART Grid Technology Experience with electrical engineering degree) in Operational / Commercial / Technology field in the Power Distribution Sector as on the date of Bid Submission. Qualification Certificates along with TDS certificates of all such employee. In case of consortium, this can be meet jointly by all the consortium members.</p>	<p>We understand from Project scope that bidder needs to deploy 16 permanent technical experts and there will be 10-15 resources for support which totals to around 25-30 technical experts for the project. As per RFP, bidder having 30 Technical experts on its roll shall suffice the requirement which we understand to be on a lower side due to risk of high attrition rate in this market.</p> <p>We suggest to modify the clause as under: Bidder should have at-least 100 Technical Subject Matter Experts on-roll (Minimum 5 year's SMART Grid Technology Experience with electrical engineering degree) in Operational / Commercial / Technology field in the Power Distribution Sector as on the date of Bid Submission. Qualification Certificates along with TDS certificates of all such employee. In case of consortium, this can be meet jointly by all the consortium members.</p>	No change.
54	<p><b>3.8(b),3.9Page No. 24</b></p> <p><b>Post Implementation - Hand-holding Phase (24 Months) #</b> Appointed Program Management and Consultancy Firm to provide hand-holding, Capacity Building, SLA Monitoring and Vendor Management Support to the NDMC</p>	<p>We understand that the system developed under this project will have minimum lifecycle of 5 years with requirement of lot of coordination with PDMA. In order to maximize the benefit from the system, we suggest to modify the handholding phase duration.</p> <p>We suggest to modify the Post Implementation - Hand Holding phase to 36 months with a provision for extension of 2 years.</p>	No change.

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	for two years post rollout of the system. If NDMC requires, this period can be further extended for another one years at mutually agreed Terms and Conditions at that time but not more than the cost of one year post rollout charges.		
55	<b><u>3, Page No. 36</u></b>	In RFP, minimum requirement of resource to be deployed during Project Design, Procurement & Establishment phase is mentioned. Similarly, we request you to indicate the minimum resource requirement during Post Implementation - Hand Holding phase. This is currently missing in RFP.	Please refer Sr. No. 43.
56	<b><u>2.9, Page No. 13</u></b> Bid Submission Related	Request you to please specify the number of copies of bid which needs to be submitted along with the original.	Only One copy is required.
57	<b><u>2.9 (b), Page No. 14</u></b> Envelope C: 3. Financial Bid Submission Letter 4. Financial Bid	We understand that bidder needs to submit Financial Bid Submission letter and Financial Bid but in RFP we could find only one format in Annexure 6 for Price Proposal. Request you to clarify what format is to be used for submission of these documents.	Please refer Sr. No. 45.
58	<b><u>5.4, Page No. 38</u></b> Payments shall be made promptly by the Purchaser, not later than sixty (60) days after submission of an invoice	In order to maintain positive cash flow, we suggest to modify the clause as under: Payments shall be made promptly by the Purchaser, not later than thirty (30) days after submission of an invoice.	Please refer Sr. No. 46.
59	<b><u>5.9, Page No. 39-40 &amp; 70</u></b> A sum equivalent to 0.5% of the value of the service, supplied beyond delivery schedule for each week or part thereof of delay until actual performance, subject to a maximum of 10% of value of such service.	Being this a consultancy assignment, the maximum limit of LD (10%) considered in RFP is on higher side.  As per industry practice, we suggest to modify the clause as under: A sum equivalent to 0.5% of the value of the service, supplied beyond delivery schedule for each week or part thereof of delay until actual performance, subject to a maximum of 5% of value of such service.	No change..
60	<b>Payment Schedule:</b> a) Fixed monthly payment (40% of	This is a consultancy assignment which requires the mobilization of man power, thus mobilization advance is	Please refer Sr. No. 48.

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	<p>total PDMA fees establishment phase)  b)Milestone Linked (50% of PDMA fees Establishment phase)  c)Final Operational Acceptance of Smart Grid System (10% of PDMA Establishment Phase)</p>	<p>required which is also as per IPDS guidelines.</p> <p>Also, as per IPDS/ R-APDRP guidelines &amp; industry practice we suggest to modify the clause as under:</p> <p>a)Advance – 10 % of total PDMA fees establishment phase  b)Fixed monthly payment (40% of total PDMA fees establishment phase)  c)Milestone Linked (40% of PDMA fees Establishment phase)  d)Final Operational Acceptance of Smart Grid System (10% of PDMA Establishment Phase)</p>	
61	<p><b>6.2, Page No. 46</b>  The term of this Agreement shall be a period of three years from the date of signing this Agreement or till one year after completion of the PDS project</p>	<p>There is a contradiction of this clause with clause 3.8 of Section 3 (Page 24), wherein engagement period is mentioned as 48 months.</p> <p>Please clarify what engagement period to be considered for this bid.</p>	Please refer Sr. No. 49.
63	<p><b>9.16, Page No. 58</b>  Any sum which becomes payable under any of the provisions of this Agreement by the PDMA to the NDMC shall, if the same be not paid within the time allowed for payment thereof, shall be deemed to be a debt owed by the PDMA to the NDMC. Such sum shall until payment thereof carry interest at 18% per annum from the due date for payment thereof until the same is paid to or otherwise realized by the NDMC.  Provided the stipulation regarding interest for delayed payments contained in this Clause 8.19 shall neither be deemed nor construed to authorize any delay in payment of any amount due by the PMA nor be deemed or construed to be a waiver of the underlying breach of payment obligations.</p>	<p>a) There is a reference of clause 8.19 in the text.</p> <p>Request you to please clarify what is clause 8.19.</p> <p>b) We suggest to keep a provision in this clause wherein it is mentioned that if there is delay in payment to PDMA by NDMC then payment shall carry interest at 18% per annum.</p>	Please refer to Sr. No. 50.

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64	<p><b>12.8 (v), Page No. 67</b></p> <p>Notwithstanding anything contained in this Agreement, the right of NDMC to vacant and peaceful possession of the Project Facilities, upon Termination is absolute. If the PDMA fails to deliver vacant and peaceful possession of the Project Facilities as contemplated in this provision, the PDMA shall be liable to pay to NDMC and NDMC shall be entitled to recover from the PDMA, an amount that represents a genuine estimate of the losses, damages and costs suffered by NDMC by way of liquidated damages. The parties agree that the said liquidated damages shall be calculated at the rate of 200% of the applicable Contract Fee for the year when the Contract is Terminated plus the costs incurred by NDMC for recovery of the Project Facilities. Such liquidated damages shall be recoverable from the Termination Date to the date when NDMC receives vacant and peaceful possession of the Project Facilities. Provided, the recovery of liquidated damages shall be without prejudice to the rights and remedies available to NDMC against the PDMA who shall be deemed to be a trespasser in illegal and unauthorized possession and occupation of the Project Site and Project Facilities, upon Termination.</p>	<p>This clause is not acceptable to us considering this has very high financial risk and will significantly increase the bid value. This clause is also not inline with any other similar assignment under IPDS / R-APDRP scheme.</p> <p>We strongly suggest to delete this clause.</p>	No change.
<b>Replies to the queries of M/s. Voyants received via e-mail.</b>			
65	<b>Section :4</b> (Evaluation of	Consultant is to provide the details of completed	Please refer Sr. No. 40.

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	Bids)/ 4.3 Eligibility Criteria/Point 4Network Strengthening Consultancy Experience	works. We are executing many big PMA works which are at closing stage. So these works do not come in the category of completed work. We propose that the works which are running but the cost of completed/ executed part is sufficient to meet the eligibility criteria, be considered to meet this qualification requirement. Kindly consider.	
66	<b>Section: 4</b> (Evaluation of Bids)/ 4.3 Eligibility Criteria/Point	Different experience is being sought under one umbrella. There are companies in the field which have implemented SCADS system but the scope of utility billing, CRM & ERP is out of their scope. Then establishment of call centre is separate expertise. Execution of advance metering infrastructure is separate field. It is not necessary that if some agency would have the experience of GIS, power system. Only few agencies in the file are having experience of GIS implementation. Again the renewable integration is different field.  In brief, the consortium of maximum of 03 firms cannot fulfill the desired eligibility criteria.  Request that consortium of minimum 05 agencies be allowed to participate in the bid.	No change.
67	<b>Section:- 4</b> (Evaluation of Bids)/ 4.3 Eligibility Criteria/Point 9 Technology Projects Experience	The companies who have executed the GIS for power distribution are very very limited. The companies available are having expertise in GIS survey of the roads/highways. The nature of work is almost similar. We also have executed many works in GIS of roads/highways, with GPS of power system. We are also having GISS software including GPS instruments.  Request to consider the experience of GIS for any infra work with GPS for power system to meet eligibility criteria.	No change.
68	<b>Section:4</b> (Evaluation of Bids)/4.3 Eligibility Criteria/Point 9 Team Strength	Considering consultancy firms are exclusive Man Power Bases, agencies & cannot retain all the manpower of a particular field after completion of work, all the times.  The agency used to add or reduce the manpower according to the situation/requirement. As per practice	No change.

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		in National Highway Authority of India (NHAI), the bidder used to submit the CV with the consent of the manpower and engaged the manpower only on award of the work. The same procedure can be adopted here. Kindly consider.	
69	<b>Section:- 14</b> (Liquidated Damages)	The timelines for deliverables are not available Please provide.	Please refer Sr. No. 49.

**Reply to the queries of M/s. WAPCOS received via e-mail.**

70	<b>Section 4 :</b> Evaluation of bids , Clause No. : 4.3, (Sr No.9 Technology Projects Experience) - pg. no 31	Bidder Should have prior experience of successfully completed project in each of the following SMART grid technology field as Project Management Consultant or Project Implementing Agency in last five years last 5 years experience clause may be waived. Experience in PMC for SCADA technology in Power distribution may also be considered in addition to SMART GRID Technology.	No Change. Already consider in RFP.
71	<b>Section 4 :</b> Evaluation of bids , Clause No. : 4.3, (Sr No.9 Technology Projects Experience) - pg. no 31	Point no ii) SCADA/DMS established on at -least 10 Grid sub-stations 5 Grid substation experience may be considered instead of 10.	No change.
72	<b>Section 4 :</b> Evaluation of bids , Clause No. : 4.3, (Sr No.9 Team Strength) -pg. no 31	Experience of SCADA in Power Distribution may also be considered in addition to SMART GRID Technology	Please refer Sr. No. 70.
73	<b>Section -2 :</b> Instruction to the Bidders (Clause No. : 2.9 c) page no 15	The Bid Submission date may please be extended by one month	Please refer Sr. No. 6.

**Replies to the queries of M/s. AECOM received via e-mail.**

74	<b>Clause 4.3 c Point 4</b>  Network Strengthening Consultancy Experience: Similar work experience	It is understood that any project management consulting work involving tendering, construction supervision and quality assurance in Power Distribution sector will be considered as similar work experience.  Please confirm	Please refer Sr. No. 40.
75	<b>Clause 4.3 c Point 9</b>	In India this kind of work at the magnitude of what is required under this project has not been done	Global / international experience of any firm

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	Technology Project Experience	commonly in the past in the Indian Distribution sector.  Hence, it is understood that International credentials / experience will be considered in order to not limit credible international consulting firms to participate in the tender opportunity.  Please confirm	registered in India will be considered. Also refer to Sr. No. 9
76	<b>Clause 4.3 c Point 9</b>  Team Strength	It is understood that experts having a variety of experience in the power distribution domain from technical to commercial to operations and experts having technology centric experience will be considered as subject matter experts to form of varied mix of backstopping staff of 30 subject matter experts.	No change.
77	<b>Clause 5.9</b>  Liquidated Damages	We understand that LD on consultant's payment will only be applicable on delay of work which can be solely attributed to delay in submission of consultant's deliverables.  Further, we request that the time schedule of deliverables may please be provided.	No change. Levy of LD as per RFP. Regarding time schedule, please refer Sr. No. 49.
78	<b>Clause 5.10</b>  Payment Schedule	Payment terms 5.10 a. ii. Point # 4,5,6,7 and iii are interlinked to contractor's work who is not supposed to be reporting to the consultant contractually. Hence, in case of delay by contractor for any reason not attributable to the consultant, the consultant is exposed to high financial risk.  Therefore it is requested that the consultant's payment milestones may please be considered to be de-linked from contractor's milestones since consultant's expenses w.r.t. manpower, vehicles, office running expenses etc are fixed.	No change. Please refer clause 5.16 of the RFP.
79	<b>Clause 12.8 (v)</b>  Rights of NDMC on Termination	It is requested that any penalties to be imposed on the consultant shall be limited to the contract value of the consultancy contract.	No change.
80	<b>Clause 1.1 / 6.3</b>  Last date of submission	NMDC would appreciate that no one company will be able to participate as a sole bidder because of varied experience criteria in the RFP. Bidders need to form partnership arrangements in the form of consortium with other eligible / potential participants which is a time consuming process. Hence, we request you to	Please refer Sr. No. 6.

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		kindly grant a time extension of <b>at least 4 weeks</b> to enable the bidders to submit competitive proposals in line with the RFP requirements.	
<b>Replies to the queries of M/s. MEDHAJ received via e-mail.</b>			
81	<p><b><u>Section 4 (Evaluation of Bids), Clause No. 4.3 (c) (4) (Network Strengthening Consultancy Experience)</u></b></p> <p>Bidder should have experience of successful completed works during the last 7 years' experience ending previous day of last date of submission of RFP.</p> <p>Similar work experience: Bidder should have experience of successfully completed Project Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs 270 Crores each or one work of project costing Rs 360 Crores. Similar work means Project Management consultancy for IPDS/R-APDRP works.</p> <p>NOTE:-Lead bidder should have experience of at least completion of one work as mentioned above</p>	<p>In this regard, we would like to highlight that as IPDS/R- APDRP schemes by Govt. of India are either therefore we believe that none of bidder will be able to submit the completion certificate.</p> <p>Therefore we request NDMC to allow us for submitting the Customer feedback Certificate ongoing or at closure stage</p>	Please refer Sr. No. 40.
82	<p><b><u>Section 4 (Evaluation of Bids) ; Clause No. 4.3 (c) (9) (Technology Projects Experience)</u></b></p> <p>Bidder should have prior experience of successfully completed Project in each of the following SMART grid Technology</p>	<p>As per Our Understanding Grid Sub- stations stands for Sub- stations above 132 KV and as per NDMC requirements SCADA is to be implemented up to 11KV.</p> <p>Therefore we request that Grid Substation should be replaced by Sub-station up to 11KV.</p>	SCADA / DMS established at any voltage level will be considered.

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	<p>fields as Project Management Consultant or Project Implementing Agency in last five years in Power Distribution Sector.</p> <p>(ii) SCADA/DMS established on at- least 10 Grid Sub-stations</p>		
83	<p><b>Section 4 (Evaluation of Bids) ; Clause No. 4.6 (3) (Technical Evaluation)</b></p> <p>Project Management and Consultancy services on Network Strengthening Work in Power Distribution sector as follows:</p> <p>(a) Bidder should have experience of successfully completed Project Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs270 Crores each or one work of project costing Rs360 Crores.</p>	<p>Keeping in view the NDMC requirements for appointment of PDMA for the implementation of Smart Grid Infrastructure, past experience required should be in the area of PMC of Smart Grid. However as per the present Technical Evaluation criteria NDMC has asked for general experience in PMC of electrical works.</p> <p>Our Suggestions: Clause no. 4.6.2(c) Each Project worth outlay of at-least Rs. 180 Crores in last 5 years greater than or equal to seven should be read as <u>Experience of Implementation of Smart Grid in India.</u></p>	No change.
84	<p><b>Section 4 (Evaluation of Bids) ; Clause No. 4.6 (3) (Technical Evaluation)</b></p> <p>Project Design, Management and Consultancy Experience of AMI/AMR Establishment/ Engagement in last five years (in a single project)</p>	<p>As per our Understanding, Smart Grid is new technology and interconnection of such huge connections of AMI/AMR establishment in a single project might be easy for Power Distribution Utility but for the any Indian Consultancy firms is quite difficult.</p> <p>So, we request NDMC for giving this clause should be amend as <u>"Project Design/Management/ Consultancy Experience of AMI/AMR Establishment / Engagement in last five years (in a Two or three projects)"</u></p>	No change. Please refer clause 4.6 (Sr. No. 4) of the RFP.

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85	<p><b><u>Section 5 (General Conditions of the Contract) ; Clause No. 5.10(a) (ii) (Payment Schedule)</u></b></p> <p>Milestone Linked Payment Submission</p>	<p>In this regard we would like to highlight that as the consultant Payment is linked with the TKC/Implementing agency therefore we would like to request that in case of delay at the end of TKC/Implementing agency our estimated expenditure due to extension of work will be entitled with 7% enhancement per year.</p>	<p>No change. Please refer clause 5.16 of RFP.</p>
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Other changes as proposed in the RFP document is as follows:-

**Clause 4.6, Sr. No. 2 (a):-** May be read as Bidder should have experience of successfully completed/currently engaged Project for Management consultancy work of at least three similar work of project costing Rs. 180 Crores each or two works of project costing Rs 270 Crores each or one work of project costing Rs 360 Crores.

**Clause 4.9 :-** DELETED

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**ANNEXURE-'A'****Broad details of Existing Electrical Infrastructure (As per DPR)**

			Existing	Proposed under IPDS
1	Total of 66/33 feeders	Nos.	79	Nil
2	Total length of 66/33KV feeders(Overhead)	Km	Nil	Nil
3	Total length of 66/33 KV feeders(underground)	Km	222.73	Nil
4	Total 66/11& 33/11 KV Sub stations	Nos.	30	Nil
5	Total Power Transformers	Nos.	67	Nil
6	Power Capacity of Power Transformers	MVA	1466	Nil
7	Total of 11 KV feeders	Nos.	488	Nil
8	Metered 11 KV feeders	Nos.		
9	Total length of 11KV feeders (Overhead)	Km	Nil	Nil
10	Total length of 11KV feeders (Underground)	Km	944.44	104
11	Total length of LT Lines (Overhead)	Km	Nil	Nil
12	Total length of LT Lines (Underground)	Km	6000	200
13	HT/LT Ratio		0.16	
14	Total Distribution transformers	Nos.	786	268
15	Total capacity of Distribution transformers	MVA	936.34	208.80
16	Total annual energy input of previous FY	MUs		1480.00
17	Current peak Demand	MVA		437
18	Current average Demand	MVA		297.14

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**ANNEXURE – 'B'**

**The minimum resource to be required during post implementation-Hand Holding phase is given as under:-**

<b>S. No.</b>	<b>Position</b>	<b>No. of Dedicated Resources</b>	<b>Minimum Qualification</b>	<b>Minimum Relevant Experience in years.</b>
1.	Team Leader	01	Degree in Electrical Engineering	10
2.	Contract Experts	01	Degree in Electrical Engineering	5
3.	System strengthening expert	01	Degree in Electrical Engineering	5
4.	AMI Expert	01	Degree in Electrical Engineering	5
5.	IT/OT Expert	01	Degree in Electrical Engineering	5

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