| Annexure B |
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| Corrigendum |

| Tender Name: Selection of System Integrator (ERPSI) for "Upgrade of SAP ECC to RISE with SAP S/4 HANA for 5 years, Installation, Commissioning, Implementation of SAP TRM and Cash Management module and 2 years of Application Maintenance Services for all core and custom modules at MSEDCL"  To tender No. CGM-IT/RDSS/SAP AMS/23-24/017 Ver. 2.0 |
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| 1 | Section 6. ERP System Requirements and Service Level Agreement 14. Payment Terms 14.1.2 ERP System Software (License Component) | Section 6. ERP System Requirements and Service Level Agreement 14. Payment Terms 14.1.2 ERP System Software (License Component) Addition: i. In Part A : 'Non-Rise components only';     1. Supply of Licenses - 85% of cost of software     2. UAT Completion - 15% of cost of software  ii. In Part-B : 'Network devices along with network charges',  a. Part-L is for information purpose only, b. Part-M is made applicable. |
| 2 | Section 6. ERP System Requirements and Service Level Agreement 14. Payment Terms  12. (c) Upgradation Solution Manager from 7.1 to 7.2 on HANA | Section 6. ERP System Requirements and Service Level Agreement 14. Payment Terms 14. 12. (c) Upgradation Solution Manager from 7.1 to 7.2 & PI to PO on HANA     1. Upgradation of Solution Manager on HANA     - Upon successful upgradation of Solution Manager from 7.1 to 7.2 on HANA certified by MSEDCL     2. Upgradation of PI to PO on HANA     - Upon successful upgradation of PI to PO on HANA certified by MSEDCL |
| 2 | Section 5. Bidding Forms - Financial Proposal Form 2: Format for Financial Breakup of Cost Components | Section 5. Bidding Forms - Financial Proposal Form 2: Format for Financial Breakup of Cost Components  Addition: i. In Part A : 'Non-Rise componenets only'; ii. In Part-B : 'Network devices along with network charges',  a. Part A – ERP System Software (License Component) 'Non-Rise componenets only'     2. Upgradation of PI to PO b. Part B – ERP System Hardware (Applicable for all hardware pertaining to network and security services) 'Network devices along with network charges' c. Part C – ERP System Implementation Services & Upgradation to SAP S/4 HANA     1c. Upgradation of PI to PO (Latest version). d. Part E – ERP System Audit     1. ERP System – OEM Audit Cost : Lump sum     2. IT /Cyber Security Audit : Lump sum     3. BCP Audit: Lump sum e. Part H – ERP System     2. ATS for upgradation of PI to PO f. ERP System – Total Cost for MSEDCL (Part I and II)     - Part-L is for information purpose only,     6. Part-M is made applicable. |
| 2 | Section 6. ERP System Requirements and Service Level Agreement 15. Service Level Agreement (SLA) 15.2.1 Availability Management Backup/ restore management  The System Integrator should take backup as per the backup schedule defined by MSEDCL. If the negligence is found in monthly audit, the System Integrator would be penalized a sum of INR XXXX for each default  MSEDCL would periodically ask (once a quarter on a random day) System Integrator to restore the backup data INR XXXX for every restore test failure | Section 6. ERP System Requirements and Service Level Agreement 15. Service Level Agreement (SLA) 15.2.1 Availability Management Backup/ restore management  If the negligence is found in monthly audit, the System Integrator would be penalized a sum of INR 5,000 for each default  INR 5000 for every restore test failure |
| 3 | Section 6. ERP System Requirements and Service Level Agreement 7. Training Requirements b) End User Training – The ERPSI will provide training to all end users of ERP Systems. The End Users/Business Users team will comprise of members carrying out day to day operation and task at MSEDCL for ERP System. Each member of End User/Business user group would be trained in the relevant function / module. This Training would be required to be given to approximately XXX personnel for ERP System. | Section 6. ERP System Requirements and Service Level Agreement 7. Training Requirements  End User Training – The ERPSI will provide training to all end users of ERP Systems. The End Users/Business Users team will comprise of members carrying out day to day operation and task at MSEDCL for ERP System. Each member of End User/Business user group would be trained in the relevant function / module. This Training would be required to be given to approximately 9400 personnel for ERP System. |
| 4 | Section 6. ERP System Requirements and Service Level Agreement 13 :Vendor Management Services  As part of this activity the ERPSI's team will: a) Manage the vendors for escalations on support. b) Logging calls and co-ordination with vendors. c) Vendor SLA tracking. d) Maintain database of the various vendors with details like contact person, Telephone Nos., response time and resolution time commitments. Log calls with vendors Coordinate and follow up with the vendors and get the necessary updates/supports/spares exchanged. | Section 6. ERP System Requirements and Service Level Agreement 13. Vendor Management Services (Not applicable) |
| 5 | Section 6. ERP System Requirements and Service Level Agreement Form 1: Format of Submission of Financial Bid 14. Payment Terms 14.1.3 ERP System Hardware (Networking and Security) (ERP System Implementation Phase Cost – Part B) | Section 6. ERP System Requirements and Service Level Agreement Form 1: Format of Submission of Financial Bid 14. Payment Terms 14.1.3 ERP System Hardware (Networking and Security) Addition: 1. Payment milestone for Networking and security. 2. Hardware required for networking scope. |
| 6 | Section 6. ERP System Requirements and Service Level Agreement :- 11. Project Management 11.2 Project Timelines  Note: 1. The Project timelines and schedule mentioned above is indicative and will be finalized based on discussion and agreement between MSEDCL and the successful Bidder (ERPSI). 2. Initially, the ERPSI will provide draft schedule with respective deliverables to MSEDCL for their review and feedback within stipulated timelines. 3. MSEDCL will provide feedback within the agreed timelines to make necessary changes, corrections, if required. The ERPSI will be required to resubmit the revised schedule document. 4. Feedback and revision of documents and deliverables will be an iterative process. | Section 6. ERP System Requirements and Service Level Agreement :- 11. Project Management 11.2 Project Timelines  Note: 1. (Deleted)  Addition : 1. AMS services will immediately start after issuance of LoA for all the existing SAP modules on ECC platform and the same shall be continued post migration on S4 HANA and non-RISE components till T+24.  2. Initially, the ERPSI will provide draft schedule with respective deliverables to MSEDCL for their review and feedback within stipulated timelines. 3. MSEDCL will provide feedback within the agreed timelines to make necessary changes, corrections, if required. The ERPSI will be required to resubmit the revised schedule document. 4. Feedback and revision of documents and deliverables will be an iterative process. |

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| 7 | Section 6. ERP System Requirements and Service Level Agreement :-<br>1. Overview of the ERPSI Scope of Work<br><br>i) Application Maintenance Services (AMS) towards Support, Maintenance & Enhancement of all existing SAP systems (Core & Custom modules) at MSEDCL till declaration of go-live of SAP S/4 HANA. | Section 6. ERP System Requirements and Service Level Agreement :-<br>1. Overview of the ERPSI Scope of Work<br><br>Note 1: ATS and cloud infra charges for the existing deployment of SAP ERP on ECC platform will be paid by MSEDCL for T+12 i.e., till go live declaration of S4 HANA RISE. If go live declaration of S4 HANA on RISE with is delayed beyond T+12, ATS and cloud infra charges of existing deployment for the subsequent term will be borne by the bidder. No additional payment will be made by MSEDCL. (T= Date of LOA).<br><br>Note 2: Post migration to S4 HANA on RISE (after T+12); ATS and cloud infra charges for non-RISE components only will be borne by MSEDCL.<br><br>Note 3: ATS for upgraded 1 TB HANA licenses and PO licenses will be paid and provided by the ERPSI till the end of contract. |
| 8 | Section 6. ERP System Requirements and Service Level Agreement :-<br>12.6 System Rollout<br><br>1. After the ERP System is customized and developed in line to the requirements of the MSEDCL, it should be deployed at the Cloud based (if applicable) Data Center and Disaster Recovery Center.<br>2. The ERP system should be rolled out at all locations with after required customization, development and after the successful completion of and User Acceptance Testing (UAT), which is defined by the ERPSI. | Section 6. ERP System Requirements and Service Level Agreement :-<br>12.6 System Rollout<br><br>1. After the ERP System is customized and developed in line to the requirements of the MSEDCL, it should be deployed on the RISE platform.<br>2. The ERP system should be rolled out, after required customization, development and after the successful completion of and User Acceptance Testing (UAT), which is defined by the ERPSI. |
| 9 | Section 5. Bidding Forms - Financial Proposal<br>Form 2: Format for Financial Breakup of Cost Components<br><br>Part G · Manpower Cost | Section 5. Bidding Forms - Financial Proposal<br>Form 2: Format for Financial Breakup of Cost Components<br><br>Efforts will be calculated as per the change request requirements.<br><br>Change done in following:<br>Part G – Manpower Cost for Change Request |
| 10 | Section 6. ERP System Requirements and Service Level Agreement<br>7. Training Requirements | Section 6. ERP System Requirements and Service Level Agreement<br>7. Training Requirements<br><br>Addition:<br>ERPSI has to prepare training document for all the modules. |
| 11 | Section 4. Bidding Forms- Technical Proposal<br>Form 3: Project Implementation Plan<br><br>The Bidder shall submit a preliminary Project implementation plan along with the Bid which shall include at least the following activities:<br>1) Site Survey; | Section 4. Bidding Forms- Technical Proposal<br>Form 3: Project Implementation Plan<br><br>1) Site Survey: Not applicable |
| 12 | Section 6. ERP System Requirements and Service Level Agreement<br><br>Annexure B – Technical Specifications | Section 6. ERP System Requirements and Service Level Agreement<br>Annexure B – Technical Specifications (Not applicable)<br><br>ERPSI needs to confirm performance, network and security requirements required for the implemntation.<br>Compatible infrastructure serving appropriate system tier for specified usage tier should be provided by bidder for development, production, and testing environment as recommended by SAP. |
| 13 | Section 2. Eligibility and Qualification Requirements<br>12.Technical Evaluation Criteria (4.1)<br><br>The bidder should have successfully implemented at least two ERP Projects of the offered ERP OEM product in India in last 10 (ten) years with at least 250 ERP licenses in each project. | Section 2. Eligibility and Qualification Requirements<br>12.Technical Evaluation Criteria (4.1)<br><br>The bidder should have successfully implemented at least two ERP Projects of the offered ERP OEM product in India in last 10 (ten) years with at least 250 Transactional users in each project. |
| 14 | Section 6. ERP System Requirements and Service Level Agreement<br>3. Implementation, Migration, Customization, Integration, Testing and Commissioning.<br>3.2.1 General Requirements<br><br>n) In the new ERP, as per industry standard practice, for any scanned documents created by user, images shall be stored outside the ERP database in a different file server as a part of document management system and only the document link shall be available in the ERP database | Section 6. ERP System Requirements and Service Level Agreement<br>3. Implementation, Migration, Customization, Integration, Testing and Commissioning.<br>3.2.1 General Requirements<br>Addition:<br>n) In the new ERP, as per industry standard practice, for any scanned documents created by user, images shall be stored outside the ERP database in a different file server as a part of document management system and only the document link shall be available in the ERP database (Document Management System (SAP content Server) Link from SAP for functionalities provided by SAP). |
| 15 | Section 6. ERP System Requirements and Service Level Agreement<br>Annexures<br>Document Management System | Section 6. ERP System Requirements and Service Level Agreement<br>Annexures<br>Document Management System (applicable) |
| 16 | Section 7. Conditions of Contract<br>13.15. (a) Change Request/ Change Order for New/Enhancements to Software Applications<br><br>New reports not exceeding [x] numbers | Section 7. Conditions of Contract<br>13.15. (a) Change Request/ Change Order for New/Enhancements to Software Applications<br><br>New reports and dashboards not exceeding 500 numbers |
| 17 | Section 2. Eligibility and Qualification Requirements<br>Qualifying Requirement - General 1.5<br>The bidder must have at least more than 250 full time resources. Additionally, bidder must have at least 2 OEM certified resources of each proposed module of SAP ERP S4 HANA In case of a consortium, the requirement may be met jointly by ERPSI-Lead and the ERPSI-2nd | Section 2. Eligibility and Qualification Requirements<br>Qualifying Requirement - General 1.5<br><br>The bidder must have at least more than 250 full time resources. Additionally, bidder must have at least 2 OEM certified resources of each proposed module of SAP S4 HANA such as FICO, MM, PM, PS,HCM.<br>In case of a consortium, the requirement may be met jointly by ERPSI-Lead and the ERPSI-2nd |
| 18 | Section 2. Eligibility and Qualification Requirements<br>Technical Evaluation Criteria<br>Sr. No.4 ERP Implementation Experience<br><br>The bidder should have successfully implemented at least two ERP Projects of the offered ERPOEM product in India in last 10 (ten) years with at least 250 ERP licenses in each project. Further, in both projects mentioned above , At least 3 modules out of following functions / modules of the offered ERPOEM Product must have been implemented-<br>o Finance and Accounting<br>o Purchasing/Contract Management<br>o Inventory Management<br>o Governance, Risk and Compliance (GRC)<br>o Human Resource Management, Payroll & ESS<br>o Business Intelligence Reporting<br>Total number of ERPprojects completed/operational':<br>, 2 5AP 54 HANA projects (at least 1 completed project) - 12 Marks<br>, 3 SAPS4 HANA projects- (at least 2 completed projects) - 16 Marks<br>, >=4 SAPS4 HANA projects (at least 3 completed projects) - 20 Marks | Section 2. Eligibility and Qualification Requirements<br>Technical Evaluation Criteria<br>Sr. No.4 ERP Implementation Experience<br><br>The bidder should have successfully implemented at least two ERP Projects of the offered ERPOEM product in India in last 10 (ten) years with at least 250 ERP licenses in each project. Further, in both projects mentioned above , At least 3 modules out of following functions / modules of the offered ERPOEM Product must have been implemented-<br>o Finance and Accounting (FICO)<br>o Cash Management Module<br>o Human Capital Management (HCM)<br>o Project Systems (PS)<br>o Plant Maintenance (PM)<br>o Material Management (MM)<br>o Treasury and Risk Management (TRM)<br>o Business Intelligence Reporting<br>Total number of ERPprojects completed/operational':<br>, 2 5AP 54 HANA projects (at least 1 completed project) - 06 Marks<br>, 3 SAPS4 HANA projects- (at least 2 completed projects)- 08 Marks<br>, >=4 SAPS4 HANA projects (at least 3 completed projects) - 10 Marks |
| 19 | Section 6. ERP System Requirements and Service Level Agreement<br>Clause 9 C<br><br>C. Install/MAC Services (Install Move Add Change) | Section 6. ERP System Requirements and Service Level Agreement<br>Clause 9 C<br><br>C. Install/MAC Services (Install Move Add Change) (Not applicable) |

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| 20 | Section 2.  Eligibility and Qualification Requirements<br>11. Qualification Requirements 3.1<br><br>The Bidder(s) should have implemented at least One (1) Turnkey IT System Integration (TSI) project having installation, configuration, customization, implementation, Roll Out as well as providing AMS services / System Operation services and preferably supply of Hardware/cloud services/Software/ licenses during the last Ten (10) financial years, one project worth at least INR. 20 Cr.<br>OR<br>Two projects each costing not less than the amount equal to INR. 13 Cr.<br>OR<br>Three projects each costing not less than the amount equal to INR. 10 Cr. | Section 2.  Eligibility and Qualification Requirements<br>11. Qualification Requirements 3.1<br><br>The Bidder(s) should have implemented at least One (1) Turnkey IT System Integration (TSI) project having installation, configuration, customization, implementation, Roll Out as well as providing AMS services / System Operation services and preferably supply of Hardware/cloud services/Software/ licenses during the last Ten (10) financial years, one project worth at least INR. 20 Cr. or 80% of the estimated cost, whichever is lower<br>OR<br>Two projects each costing not less than the amount equal to INR. 13 Cr. or 50% of the estimated cost, whichever is lower<br>OR<br>Three projects each costing not less than the amount equal to INR. 10 Cr. or 40% of the estimated cost, whichever is lower |
| 21 | Section 2.  Eligibility and Qualification Requirements<br>11. Qualification Requirements 3.2<br><br>The bidder should have successfully implemented 2 (two)  SAP ERP S/4 HANA projects in India in last 10 years.  Out of two (2) eligible ERP projects one must have been implemented in Central/State PSU or Govt. Organization. (In case of a consortium, this requirement needs to be met by either of the Member)<br>Further, in both projects mentioned above-<br>•The offered ERP OEM Product shall have cumulatively 250 transactional user-base in two eligible ERP projects<br>•At least 3 modules out of following functions / modules of the offered ERP OEM Product must have been implemented–<br>oFinance and Accounting (FICO)<br>oCash Management Module<br>oHuman Resource Management, Payroll and ESS<br>oProject Systems (PS)<br>oPlant Maintenance (PM)<br>oMaterial Management (MM)<br>oTreasury and Risk Management (TRM)<br>oBusiness Intelligence Reporting<br>Out of the two (2) implemented projects, at least one (1) should be successfully completed (Go-live achieved followed by completion of at least one year AMS) and second (2nd) project must have achieved Go-live status. | Section 2.  Eligibility and Qualification Requirements<br>11. Qualification Requirements 3.2<br><br>The bidder should have successfully implemented 2 (two)  SAP ERP S/4 HANA projects in India in last 10 years.  Out of two (2) eligible ERP projects one must have been implemented in Central/State PSU or Govt. Organization. (In case of a consortium, this requirement needs to be met by either of the Member)<br>Further, in both projects mentioned above-<br>•The offered ERP OEM Product shall have cumulatively 250 transactional user-base in two eligible ERP projects<br>•At least 3 modules out of following functions / modules of the offered ERP OEM Product must have been implemented–<br>oFinance and Accounting (FICO)<br>oCash Management Module<br>oHuman Capital Management (HCM)<br>oProject Systems (PS)<br>oPlant Maintenance (PM)<br>oMaterial Management (MM)<br>oTreasury and Risk Management (TRM)<br>oBusiness Intelligence Reporting<br>Out of the two (2) implemented projects, at least one (1) should be successfully completed (Go-live achieved followed by completion of at least one year AMS) and second (2nd) project must have achieved Go-live status.<br>Note: Project involving migration to S/4 HANA will be considered as S/4 HANA implementation project. |
| 22 | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br><br>Presentation by the bidders on their understanding of the business/ functional requirements of MSEDCLs and proposed solution and implementation approach.<br><br>Min 5,  Max 15<br><br>Bidder has to get minimum 5 marks to technically qualify in 1.1 section.<br><br>Supporting dcouments:Presentation delivered by the Project Manager and Assistant Project Managers who are proposed to be deployed on full time basis at client locations until GO Live and should depict Bidder's understanding of the business/functional requirements of the MSEDCL, the proposed solution and implementation approach. | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br><br>Presentation by the bidders on their understanding of the business/ functional requirements of MSEDCLs and proposed solution and implementation approach.<br><br>Min 10,  Max 20<br><br>Bidder has to get minimum 10 marks to technically qualify in 1.1 section.<br><br>Supporting documents:Presentation delivered by the bidder should depict Bidder's understanding of the business /functional requirements of the MSEDCL, the proposed solution and implementation approach. |
| 23 | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>2. Human Resource / Manpower Proposed<br><br>2.1. Project Manager - 8 Marks<br>2.2. Associate Project Manager  - 5 Marks<br>2.3. SAP BASIS - 2 Marks<br>2.4. Network Expert- 2 Marks<br>2.5. Security Expert- 2 Marks<br>2.6. Data Migration Specialist- 2 Marks<br>2.7. Integration Expert- 2 Marks<br>2.8. Lead Programmer- 2 Marks | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>2. Human Resource / Manpower Proposed<br><br>2.1. Project Manager - 4 Marks<br>2.2. Data Base Administrator - 2 Marks<br>2.3. IT Infrastructure expert - 2 Marks<br>2.4. Cloud Services Expert - 2 Marks |
| 24 | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>3.1. Turnkey System Integration (TSI) Experience<br><br>The Bidder(s) should have implemented at least One (1) Turnkey IT System Integration (TSI) project having installation, configuration, customization, implementation, Roll Out as well as providing AMS services / System Operation services and preferably supply of Hardware/cloud services/Software/ licenses during the last Ten (10) financial years.<br><br>a)For one project value not less than INR 20 Cr.<br>•One (1) project – 25 Marks<br>•Two (2) projects – 30 Marks<br>OR,<br>b)Two projects each costing not less than the amount equal to INR. 13 Cr.<br>•Two (2) projects – 25 Marks<br>•Four (4) projects – 30 Marks<br>OR,<br>c)Three projects each costing not less than the amount equal to INR. 10 Cr.<br>•Three (3) project 25 Marks<br>•Six (6) project 30 Marks | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>3.1. Turnkey System Integration (TSI) Experience<br><br>The Bidder(s) should have implemented at least One (1) Turnkey IT System Integration (TSI) project having installation, configuration, customization, implementation, Roll Out as well as providing AMS services / System Operation services and preferably supply of Hardware/cloud services/Software/ licenses during the last Ten (10) financial years.<br>a)For one project value not less than INR 20 Cr.    or 80% of the estimated cost (whichever is lower)<br>•One (1) project – 08 Marks<br>•Two (2) projects – 10 Marks OR,<br>b)Two projects each costing not less than the amount equal to INR. 13 Cr.    or 50% of the estimated cost ( whichever is lower)<br>•Two (2) projects – 08 Marks<br>•Four (4) projects – 10 Marks OR,<br>c)Three projects each costing not less than the amount equal to INR. 10 Cr.    or 40% of the estimated cost (whichever is lower)<br>•Three (3) project - 08 Marks<br>•Six (6) project 10 Marks |
| 25 | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>4.1a. ERP Implemntation Experience<br><br>• 1 SAP S/4 HANA project in Power sector - 8 Marks<br>• 2 SAP S/4 HANA project in Power sector – 10 Marks | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>4.2. ERP Implemntation Experience<br><br>•1 SAP ERP project in Power sector – 08 Marks<br>•2 SAP ERP project in Power sector – 10 Marks |
| 26 | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator | Section 2.  Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br><br>Addition:<br>5 Migration Experience<br>5.1The bidder should have experience of successful completion of at least one (1) 'Migration project of S/4 HANA' in previous seven (07) years in India as on bid submission date.<br>1 project involving migration to S/4 HANA in India : 8 Marks<br>2 projects involving migration to S/4 HANA in India : 10 Marks<br><br>Supporting document: Bidders must provide the Necessary Purchase Order/ LOI/ Contract Agreement. Further, the bidder must provide the successful completion letter from the client.<br>Note:<br>In case of Consortium, either ERPSI Lead/ERPSI-2nd may meet the requirement. |

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| 27 | Section 2. Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>6 FRS Compliance with solution | Section 2. Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>6 FRS Compliance with solution<br><br>Addition:<br>The Bidder(s) shall indicate in the checklist the compliance of the proposed solution as per format enclosed for each of the Functional Requirements. The compliance shall be categorized as under:<br><br>•Availability of full functionality as part of the solution proposed through parameterization or software configuration (i.e., no code change) would be given higher weightage. i.e., Compliant (C)<br>•Where part functionality is available, or the required functionality is met with customization OR an add-on/bolt-on software including any bespoke development would be given lower weightage i.e., Customized Compliant (CC)<br>•FRS must be demonstrable. Random sample verification may be conducted during presentation. All line items as mentioned in FRS would be considered along with weightage as mentioned above. The total marks will be awarded based on the cumulative<br><br>All line items as mentioned in FRS would be considered along with weightage as mentioned above. The total marks will be awarded based on the cumulative response and total points for each requirement.<br><br>Marks would be awarded based as below:<br>a)FRS Compliance of TRM : 5 Marks<br>b)FRS Compliance of Cash Module : 5 Marks |
| 28 | Section 2. Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>6. SAP Partnership Competency Level<br>6.1 SAP Partnership competency level | Section 2. Eligibility and Qualification Requirements<br>12.1 Technical evaluation criteria of System Integrator<br>6. SAP Partnership Competency Level<br>6.1 SAP Partnership competency level<br><br>Addition:<br><br>SAP Partnership competency level for SAP practices in utilities for SAP S4 HANA cloud private edition in India<br>a) Competency level 01 to 03 - 10 Marks<br>b) Competency level 04 to 07 – 15 Marks<br>c) Competency level > 07 - 20 Marks<br>Note:<br>Listed on the SAP website (SAP Partner Finder hana ondemand.com) https://pf-prod-sapit-partner-prod.cfapps.eu10.hana.ondemand.com/<br><br>In case of Consortium, either ERPSI Lead/ERPSI-2nd may meet the requirement. In case, both the consortium members are SAP partners having competency level, the member with highest competency level shall be considered for evaluation.<br><br>Supporting documents: MSEDCL will verify the competency level based on the information available on the above - mentioned website as on bid opening date. |
| 29 | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, Clause 12.7<br>Operational Tools Readiness IVR, ITSM & IT Operations | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, Clause 12.7<br>(IVR removed)<br>Operational Tools Readiness for ITSM & IT Operations |
| 30 | Section 2. Eligibility and Qualification Requirements<br>13. Bid Opening and Evaluation Methodology<br>13.1.2 Technical Bid Evaluation Those Bids which obtain minimum Seventy (75) marks out of 100 in Technical Evaluation will be considered further for financial evaluation process.<br><br>&<br><br>13.2 Stage 2: Financial Evaluation<br>(bidders scoring minimum 75 out of 100 in technical evaluation). | Section 2. Eligibility and Qualification Requirements<br>13. Bid Opening and Evaluation Methodology<br>13.1.2 Technical Bid Evaluation<br>2. Those Bids which obtain minimum Seventy (70) marks out of 100 in Technical Evaluation will be considered further for financial evaluation process.<br><br>13.2 Stage 2: Financial Evaluation<br>bidders scoring minimum 70 out of 100 in technical evaluation |
| 31 | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, 3.Implementation, Migration, Customization, Integration, Testing and Commissioning of :<br>3.4 Network Management (Not Applicable)<br>b) Cloud services shall be accessible via internet and<br>c) ERPSI must closely liaison with bandwidth Service Provider(s) for the period of contract. The ERPSI is expected to file the applications in the formats as required by the network service provider for bandwidth procurement. However, the Billing & Commercial Transactions would happen directly between MSEDCL & the Bandwidth Provider.<br>i) Shall manage the cloud base third party IPSEC and SSL VPN solution users in redundancy with two factor authentications.<br>p) ERPSI is responsible for monitoring and administering the proposed network equipment's within all the new IPDS locations.<br>q) ERPSI must monitor the performance of the network and coordinate with the NBSP for resolution of issues. | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, 3.Implementation, Migration, Customization, Integration, Testing and Commissioning of :<br>3.4 Network Management<br><br>Addition:<br><br>b) Cloud services shall be accessible via internet and Cloud Services should be accessible through Internet, Private connectivity like P2P /VPN/SDWAN<br>c) ERPSI must closely liaison with bandwidth Service Provider(s) for the period of contract. The ERPSI is expected to file the applications in the formats as required by the network service provider for bandwidth procurement. However, the Billing & Commercial Transactions would happen directly between MSEDCL & the Bandwidth Provider. ERPSI will borne all the charges required to integrate with MSEDCL cloud through 100 Mbps P2P connectivity at cloud HUB location, VPN, SDWAN .Charges like P2P link, Rack charges, Router charges ,Port charges ,Data charges & any miscellaneous charges at cloud hub required to integrate with MSEDCL cloud.<br><br>Following lines removed :<br>i) Shall manage the cloud base third party IPSEC and SSL VPN solution users in redundancy with two factor authentications.<br>p) ERPSI is responsible for monitoring and administering the proposed network equipment's within all the new IPDS locations.<br>q) ERPSI must monitor the performance of the network and coordinate with the NBSP for resolution of issues. |
| 32 | 3.14.3 Cloud Network Requirement (Not Applicable)<br>j) CSP should ensure that cloud VM network is IPV6 compatible.<br>K) CSP should ensure use of appropriate load balancers for network request distribution across multiple cloud VMs | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, 3.Implementation, Migration, Customization, Integration, Testing and Commissioning of :<br>3.13.3 Cloud Network Requirement,<br><br>Addition:<br>e) CSP should ensure that Internet vNIC card is having minimum 10 Gbps network connectivity and service NIC card is on 40 Gbps for better internal communication.<br>j) CSP should ensure that cloud VM network is fully functional for dual stack IPv4 and IPv6.<br>k)CSP should ensure use of appropriate load balancers for network request distribution across multiple cloud VMs and support to http compression, caching and custom ports other than 80 and 443 along with complete visibility of traffic .<br>l)CSP should support SD-WAN integration using CSP SDWAN Service or using any third party SDWAN gateway |

| Sr. No. | Existing Clause | Revised Clause |
|---|---|---|
| 33 | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, 3.Implementation, Migration, Customization, Integration, Testing and Commissioning of : 3.14.3<br>3.15.3 Web Application Firewall (WAF) as Service | Section 6. ERP System Requirements and Service Level Agreement<br>Section 6, 3.Implementation, Migration, Customization, Integration, Testing and Commissioning of :<br>3.14.3 Web Application Firewall (WAF) as Service<br><br>Addition:<br>b) CSP WAF Should protect from OWASP top 10 Attack<br>u) CSP WAF should have feed for blacklisted IP, non-reputed IP<br>v) CSP WAF should support common HTTP encoding types, such as ULR decoding, Base64 decoding, JSON decoding, hexadecimal conversion, slash inversion, XML analysis, PHP deserialization analysis, etc., and support recursive decoding<br>w) CSP WAF should support the analysis of common HTTP encoding types, such as ULR decoding, Base64 decoding, JSON decoding, hexadecimal conversion, slash inversion, XML analysis, PHP deserialization analysis, etc., and support recursive decoding.<br>x) CSP WAF should support attacks against session tampering and hijacking, including attacks against cookie, session and user parameters, and can prevent attacks such as directory traversal attacks and CSRF attacks, leakage of sensitive information caused by crawlers, Web Anti-Defacement (WAD) function to detect and prevent the defaced web pages, own Signatures updates and the signature database upgrade process should not affect the normal operation of WAF |
| 34 | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security<br><br>Addtion:<br>To carry out ERP System audit (OEM Audit), the cost for first two (2) iteration shall be borne by The ERPSI including the cost to incorporate any post audit suggestions /recommendations. However, for any other third-party audit, the cost will be borne by MSEDCL. If in case, due to un-fulfilment of requirement due to ERPSI, multiple iterations (more than 1) are required to be carried out for any third-party audit, then the cost of further audits will be charged to ERPSI for any subsequent iterations or visits of third-party auditors. |
| 35 | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security<br>6.1.1.2.ERP System- OEM Audit<br>6.1.1.3.IT /Cyber Security Audit<br><br>a.Security Audit shall include but not limited to vulnerability assessment, penetration testing, application security assessment, application assessment for entire infrastructure | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security<br>6.1.1.2.ERP System- OEM Audit<br>6.1.1.3.IT /Cyber Security Audit<br><br>Addition:<br>a. Security Audit shall include but not limited to vulnerability assessment, penetration testing, application security assessment, application assessment for entire infrastructure, applications & Security infrastructure hosted on cloud, application Architecture Review, Vulnerability Assessment and Penetration Testing for MSEDCL Web facing & intranet, Performance Testing of the System, Application Functional Testing, Application Security Testing, Application Usability Testing, Application interoperability and Compatibility Testing, Source Code Review, Data Storage Security Audit, Data Communication Security Audit.<br>e. Third party agency shall provide Cyber security certificate from CERT-In empaneled auditor |
| 36 | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security<br>6.1.1.2.ERP System- OEM Audit<br>6.1.1.5.Follow-up Audit | Section 6 ERP System Requirements and Service Level Agreement<br>6. Audits and IT security<br>6.1.1.2.ERP System- OEM Audit<br>6.1.1.5.Follow-up Audit<br>Addition:<br><br>SAP audit to be done at every milestone, to ensure proper migration. |