Government of West Bengal
Irrigation & Waterways Directorate
Office of the Superintending Engineer
Mechanical & Electrical Circle
Jalasampad Bhawan (6th Floor), Bidhannagar, Kolkata-700091
Phone No. 033-23218430,E-Mail ID: tasemec2025@gmail.com

MemoNo. 83/1T-6 **Dated: 09.02.2026**

[InvitationforExpressionofInterestforBudgetaryQuotation]

EOINo.WBIW/EETAtoSE/MEC/eEOI06/25-26

Critical Dates of this E.O.I:

Sl.No.	Particulars	Date &Time
01	Publishing Date	13.02.2026 AT 10.00Hrs.
02	Document download start date	13.02.2026 AT 10.00Hrs.
03	1st Pre-Bid Meeting date	16.02.2026 AT 13.00Hrs.
04	2nd Pre-Bid Meeting date	19.02.2026 AT 13.00Hrs
05	Bid submission start date	20.02.2026 AT 11.00Hrs.
06	Document download end date	11.03.2026 UPTO 11:00Hrs.
07	Bid opening date	11.03.2026 UPTO 14:00Hrs.

NAMEOFTHEWORK: Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal.

EXECUTINGDIVISION: Mechanical& Electrical Circle

YEAR: 2025-26

INDEX

ExpressionofInterest

1.0   InvitationforEOI/SinglestageofBidding

The Executive Engineer & TA To Superintending Engineer invites EOI from prospective bidders (OEMs, Contractors, Authorized dealers etc.) for the work "Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal."The successful Bidder will carry out the scope of work in accordance with the specifications provided in a detailed Request for e-NIT document which will be brought out by the Executive Engineer, Metropolitan Electrical Division in later stage after obtaining administrative approval of the work. Now, Executive Engineer &TA to Superintending Engineerseeks EOI for budgetary quotes from experienced, reputed Bidders for the above work, who meet the pre-qualificationcriteriaspecifiedinthisdocument will be short-listedtohavecomparisonofcostbetween various prospective bidder. In case of non compliance they may offer their own solution.

2.0   Descriptionofthe Project:

"Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal."

2.1   Location:
At different offices at different locations within the state of West Bengal.

2.2Introductiontotheproject:

Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal.

3.0   InstructionstoBidders:

3.1   Bidders are advised to study all instructions, B.O.Q, forms, terms, requirements and other information in the EOI documents carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the E.O.I documents with full understanding of its implications. **Rate shouldbe quoted of all taxes and duties. Percentage of different taxes and duties shall also to be mentioned.**

3.2   The response to thisE.O.Ishould be full and complete in all respects. Failure to furnish all information required by the E.O.I documents or submission of a proposal not substantially responsive to the E.O.I documents in every respect will be at the bidder's risk and may result in rejection of its proposal.

3.3For better understanding of work, brief description of work as per our preliminary assessment are given for better understanding of the project. In this stage bidder are requested to proposetheirworkdescription, withquotingrate,sothatinlaterstageunderdetailedNIT,

Completescopeofworkandtechnicalspecificationmaybeenclosed, Sothatbidmaybeevaluated on equal footing.

3.4   The Bidder shall be deemed to be fully conversant with the site conditions and the nature and complexity of the work to be undertaken and considering all eventualities which can arise before, during and after project execution.

3.5 Bidvalidityshallbe120days.

4.0   EOIproposalpreparation,costs&relatedissues:

4.1   The Bidder is responsible for all costs incurred in connection with participation in this process, including, but not limitedto, costsincurredinconduct of informative andother diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by this office to facilitate the evaluation process, unless explicitly specified to the contrary.

Purchaserwillinnocaseberesponsibleorliableforthosecosts, regardlessoftheconductor outcome of the bidding process.

4.2These Expression of Interest (EOI) are purely for estimation purpose and to know the present market rate and under no circumstance, it shall be construed as quotation for placing the supply order. For competitive bidding separate notice inviting Tender will be published.

5.0   Pre-bid Meeting

5.1   Executive Engineer& TA to Superintending Engineer, Mechanical & Electrical Circle shall hold a pre-bid meeting with the prospective Bidders on **<16.02.2026 at 13:00 Hrs >**at <O/O Superintending Engineer, Mechanical & Electrical Circle, Jalasampad Bhawan (6th Floor), Bidhannagar, Salt Lake, Kolkata: 700091.

The Bidders will ensure that their queries with regard to the EOI, to be addressed to the EOI issuing Authority shall reach by post, facsimile or E-mail on or before <16.02.2026 at 11:00 Hrs > to the officer whose details are provided below (Nodal Officer):

<div align="center">

Office of the Superintending Engineer
Mechanical & Electrical Circle, Jalasampad Bhawan (6th Floor),
Bidhannagar, Salt Lake, Kolkata: 700091.
E-mail:**tasemec2025@gmail.com**
Telephone No-**033-23218430**

</div>

6.0   Responses to pre-bid queries and issue of corrigendum:

The Nodal Officer notified by the EOI issuing authority will endeavour to provide timely response to all queries. However, the department makes no representation or warranty as to the completeness or accuracy of any response made in good faith.

6.1   At any time prior to the last date for receipt of bids, EOI inviting authority may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the EOI document by issuing a corrigendum.

6.2 The corrigendum (if any) & clarifications to the queries from all Bidders will be posted on the e-tender portal<https://wbtenders.gov.in>. Any such corrigendum shall be deemed to be incorporated into this EOI.

6.3In order to afford prospective Bidders reasonable time in which to take the corrigendum into account in preparation of their bids, Purchaser may, at its discretion, extend the last date for the receipt of EOI Bids.

7.0   Right to terminate the EOI process:

7.1   EOI issuing authority may terminate the EOI process at any time without assigning any reason. EOI issuing authority makes no commitments, expression or implied that this process will result in a business transaction with anyone.

8.0   Bid Submission Procedure
<Option 1: In case of Online Submission on e-Procurement portal>

Bidders should submit their responses to an EOI as per the procedure specified in the e- Procurement portal (specified URL) being used for this purpose.

The bidder must ensure that the bid is digitally signed by the Authorized Signatory of the bidding firm and has been duly submitted (freezed) within the submission timelines. The Department will in no case be responsible if the bid is not submitted online within the specified timelines.

All the pages of the Proposal document must be sequentially numbered and must contain the list of contents with page numbers. Any deficiency in the documentation may result in the rejection of the Bidder's Proposal.

<div align="center">OR</div>

<Option 2: In case of physical submission of bids at office of Superintending Engineer >

a. Bids shall be submitted in a single sealed envelope and superscripted<Name of the Work >and<Reference EOI No.>.This envelope should contain two hard copies of EOI proposal marked as "First Copy" and "Second Copy" and one soft copy in the form of a non-rewriteable Compact Disc (CD).CD media must be duly signed using a permanent pen/marker by the Bidder. Bids are to be dropped in tender box kept in the O/O Superintending Engineer, Mechanical & Electrical Circle, Jalasampad Bhawan (6th Floor).

b. Bids shall consist of supporting proofs and documents as defined in the Pre- qualification section.

c. Bidder shall submit all the required documents as mentioned in this document.

d. Envelope should indicate clearly the name, address, telephone number, E-Mail ID and fax number of the Bidder.

e. Each copy of the EOI should be a complete document and the document should be page numbered, must contain the list of contents with page numbers and shall be initialled by an authorized representative of the Bidder.

f. Different copies must be bound separately.

g. Bidder must ensure that the information furnished by him/her in respective CDs is identical to that submitted by him in the original paper bid document .In case any discrepancy is observed by the authority in the contents of the CDs and original paper bid documents, the information furnished on original paper bid document will prevail over the softcopy.

h. EOI document submitted by the Bidder should be concise and contain only relevant information as required under the EOI Bids shall consist of supporting proofs and documents as defined in the Pre-qualification section.

9.0   Short listing criteria:

9.1 Purchaser will shortlist Bidders who meet the pre-qualification criteria mentioned in thisEOI.

9.2 Any attempt by a bidder to influence the bid evaluation process may result in the rejection of its EOI proposal.

10.0   EvaluationProcess:

Technical Bid Evaluation Committees (TEC) in the Irrigation & Waterways Directorate for deciding for deciding on technical qualification of bidders for all works at the Technical Bid Evaluation Stage will be constituted in compliance with Department Memorandum No 10-W/2021-22, dated 07.10.2021.

11.0   Pre-qualificationevaluationcriteria:

Sl. No.	Basic requirement	Specificrequirements	Documentsrequired
1	Legal Entity	- Should be a company registered under the provisions of the Indian Companies Act, 2013 or a partnership firm registered under the Indian Partnership Act, 1936 or the Limited Liability Partnerships Act, 2008. - RegisteredwiththeGSTauthorities. - Should have been operating for the last three years.	- Certificate of incorporation/Partnership deed - GSTregistration Certificateofcommencement of business (if applicable)
2	Board resolution/ Power of attorneyin favourofa uthorized signatory	A board resolution OR power of attorney in the nameofthepersonexecutingthebid, authorizing the signatory to commit the Bidder.	Boardresolution; OR Powerofattorneywitha ppropriatesupportingd ocuments
3	Sales Turnover	Annual sales turnover generated from services relatedtosystemintegrationduringeachofthe last three financial years (as per the last published Balance sheets), should be at least INR<value in numbers and words>. This turn over should be on account of InformationCommunicationTechnology(ICT) systems development and implementation (i.e. revenue should be on account of system integration/turnkey solutions or products and theirassociatedmaintenanceorimplementation services, packaged software etc.) only	Extracts from the audited balancesheetandprofit&loss; OR Certificatefromthestatutory audit or
4	Technical Capability	Bidder must have successfully completed at least one following nature of work within last fiveyearsandvaluenotlessthan50%oftheir quoted value. **"Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers".**	Completioncertificatesfromt hecompetent authority ; OR Workorder+Selfcertificateof completion (Certified by the statutory auditor)

| 5 | Debarment | Debarment should be used as a mandatory Pre-Qualification criterion to restrict organizations thathavebeeneitherdebarredbythetendering department for breach of ethical conduct or fraudulent practices, etc. As specified in Rule 151of GFR. | Self-Certified letter that the bidder(oranyofitssuccessor)is not in the active debarred list published by: a) Central/ StatePublicProcurementPortal;and |

12.0   ExaminationofBidsandDeterminationof Responsiveness:

The Bid evaluation committee (TEC) will evaluate whether each Bidder is satisfying the eligibility and qualifying criteria prescribed in the pre-qualification document and declare names of the qualified Bidders.

Prior to the details evaluation, the tender accepting authority will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. For that purpose a separate sheet for Guaranteed Technical Particulars are attached.

Assessment: The detailed assessment for pre-qualification shall be based on the following information submitted by the Bidder:

1. Datasubmittedinprescribedformatgivenintenderdocuments.

2. Bidder'stechno-commercialproposalsforcarryingouttheentireworksin   accordance with the specifications in this document.

Thetechno-commercialsubmissionsmustprincipallydemonstratetheadequacyof bidders' appreciation of the:

--Theproject

--Designanddetailengineering

--Themethodsproposed for mobilization and establishmentof site installation and for the timely completion, testing and commissioning and O&M of the project.

--The arrangements for the logistic support for completion, testing and commissioning of all works of the project.--Requirements of the Department.

13.0   Formatforletterofresponse:

To
TheExecutive Engineer& TA to Superintending Engineer,
Mechanical &Electrical Circle, JalasampadBhawan(6thFloor), Bidhannagar,
Salt Lake,
Kolkata:700091.

<p align="center">Sub:-RESPONSETO– EOI</p>

DearSir,

We, the undersigned, offer the following information in response to the Expression of Interest sought by you vide your EOI No. …………………   Dated ….

1. Weredulyauthorizedtorepresentandactonbehalfof_____
   (Hereinafter the "respondent")

2. WehaveexaminedandhavenoreservationstotheEOIDocumentincluding Addenda No(s) __

ExpressionofInterest

I/We understand that this EOI is intended for the work "Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal."

Irrigation and Waterways Department, Govt. of West Bengal may float a separate Tender (based on their requirement), with all conditions like Eligibility Criteria, and our participation in this EOI does not guarantee any qualification to that tender.

3. Weareattachingwiththisletter,thecopiesoforiginaldocumentsdefining: -

   a) TheRespondent'slegalstatus;

   b) Itsprincipalplaceofbusiness;

   c) Its place of incorporation (if respondents are corporations); or its place of registration (if respondents are cooperative institutions, partnerships, or individually owned firms);

   d) Self-certified financial statements of Last three years, clearly indicating the financial turn over and net worth.

   e) Copiesofanyprojectundertakenforthelast5years,inanyGovt.Department.

4. We shall assist Irrigation and waterways Department, Govt. of West Bengal or its authorized representatives to obtain further clarification from us, if needed.

   a) Executive Engineer of Metropolitan Electrical Division, authorizedrepresentative, may contact the following nodal persons for further informationon any aspects of the Response :

SlNo.	ContactName	Address	Telephone	E-mail

5. Thisapplicationismadeinthefullunderstanding that:

   a) Department Reserves the right to reject or accept any or all applications, cancel the EOIandsubsequentbiddingprocesswithoutanyobligationstoinformtherespondent about the grounds of same .

   b) We confirm that we are interested in participating in the selection process throughthis EOI.

6.   Wecertifythatourturnoverandnetworthinthelastthreeyearsisasunder:

FinancialYear	Turnover	Net worth

7.   InresponsetotheEOI,weherebysubmittingthefollowingdetailsannexedtothis application:

8.   The undersigned declare that the statements made and the information provided in the duly completed application is complete, true, and correct in every detail. We also understand that in the event of any information furnished by us being found later to be incorrect or any material information having been suppressed, may delete our name from the list of potential bidders. We further understand that Irrigation and waterways Department, Govt. of West Bengal will give first preference to the applicants considered relevant for the purpose.

Yourssincerely, (Sign)
Name

      In the Capacity of
      Duly authorized to sign
      The response for and on behalf of

Enclo:B.O.Qformat.

      Sd/-
      ExecutiveEngineer
      & TA to
      Superintending
      Enginer,
      Mechanical &
      Electrical Circle

ExpressionofInterest

MemoNo:83/1(4)/1T-6   **Date:09.02.2026**

CopySubmittedforinformationandkindnecessaryactionto:-

1) The Secretary to the Govt. of West Bengal, I&W Department.
2) The Chief Engineer-in charge (M&E), I&W Directorate, Govt of West Bengal
3) The Joint Secretary (Works) to the Govt of West Bengal, I&W Department.
4) The Deputy Secretary (Works) to the Govt of West Bengal, I&W Department.

**Executive Engineer & TA to
Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal**

MemoNo: 83/1(4)/2(5)/1T-6   **Date:09.02.2026**

Copy forwardedforfavourofkindinformationto:

1) The Executive Engineer, Metropolitan Electrical Division.
2) The S.D.O./Assistant Engineer, Metropolitan Electrical Division.
3) The Estimating Section, Metropolitan Electrical Division
4) The Accounts Section, Metropolitan Electrical Division.
5) Notice Board of Metropolitan Electrical Division.

**Executive Engineer & TA to
Superintending Engineer
Mechanical & Electrical Circle,
Irrigation & Waterways Directorate
Government of West Bengal**

EOINo.WBIW/EETAtoSE/MEC/eEOI06/25-26 **Name of Work**:Re-furbishment and revamping of existing Bio-Metric Time Attendance Monitoring Recording System including provision of partial conversion of Face recognition based biometric readers with software modification with additional features like Visitor management system and application based site attendance system & replacement of faulty hardware etc. at different offices at different locations within the state of West Bengal.								
					ProposalbytheBidder			
Sl.No.	DescriptionofWork	Qty.	Unit	Description of Item/ work proposedbythe bidder(for budget quotes)	Quantity (for budget quotes)	Unit(for budget quotes)	Rate Rs. (for budget quotes) excluding GST.	GSTrateasapplicable
1.	**ProcurementofFaceRecognitioncumFingerPrintbasedAttendancedevicewithMetalHousingandsoftwareLicense ; as per following technical specifications :**	50	Set					
	GeneralFeatures:							
	CredentialSupport:Face,Finger,CardandPIN;FutureReady:QualityAssurance:FingerPrintscannershouldbeSTQCcompliantandscannershouldbeinthenameofsameDeviceOEM;UserCapacity:Min10000;IngressProtection :IP 54; Biometric Registration/ Card Punching :During Biometric Registration/Card Punching itselfthecameramustcaptureSnapoftheperson;TypeofCard:13.56MHz,MIFARE/HlD/PROXIMITY,MIFARE/HID,Plus,DESFireEV1/EV2,Felica; False Acceptance Rate (FAR):<0.001%; FalseRejectionRate (FRR):<0.1%; RTC *:ThereshouldbeRTCwithbackuptopreservetime/setting/dataupto3yearsifnotpowered;Certifications:IP54, CE, RoHS, BIS and finger print biometric sensor should be STQC certified in same device OEM name;* *Display:* *DisplayMinimum5"IPSLCDDisplaywithCapacitiveTouchscreen;DisplayResolution:VerticalScreen720*1280Resolution Flash LED with Variable Intensity;*							
	Face:							
	RecognitionDistance:Min1meter;RecognitionHeight:140cm~190cm(55.1"~74.8");MatchingSpeed *:Less than 1 sec; Camera Type :Dual RGB and Near Infrared Camera; LiveFace Detection (Anti Spoofing) :Supportlivefacedetectionwithantispoofingagainst2Dphotograph,mobileselfieandvideo;Mask&NoMaskDetection : Seamless Detect & limit access of users not wearing masks &Facedetection of the users wearingmasks;*							
	FingerprintFeatures:							
	FaceauthenticationCapacity:10000facein1:NModeand10000fingerin1:Nmode;Encryption:supportAES256-bitencryptionoffacetemplate;EventsBuffer:5,00,000;SensorType:500DPI;OpticalSensorOperability:LiveFinger Detection by sensor and should work well with Dry, Moist and rough fingerprints; IdentificationSpeed : <0 .5sec; Response time: <0.2 sec; Protection :Scratch resistanceand toughened glass sensor/deviceArmord cashing; Keypad :							

	Keypad disabling facility; Operating Conditions: Temperature: -5°Cto 50°CandHumidity: 10%to 90%; Finger print template : ISO 19794-2/4;							
	Communication:							
	Ethernet:Yes(10/100MbpsonEthernet);RS-232/RS-485:lchHostorSlave(Selectable);USB:USB2&above(USB TypeA/B/C); Wiegand :Wiegand IN/OUT Available; Bluetooth:Built-in;							
	Audio-Visual							
	UserPhotoDisplay:Yes;Buzzer:Yes,withsuccessfulandunsuccessfulalarm;							
	Configuration:							
	CPU:ShouldbeasperindustrystandardswithMinimum1.5GHzmulticore/DualCoreArmCortexA7,Max 1.5GHz;FlashMemory:Min8GB;RAMMemory:Minimum1GB;OperatingSystem:Android10andhigher/Linux							
	Electrical/Environmental							
	InputVoltage:DC12V~DC24V;OperatingTemperature:0°Cto50°C							
	OEMCriteria							
	TheOEMshouldhaveanaverageannualturnoverofminimumINR200Croreinlast3years.							
	TheOEMshouldbeMakeinIndia(MII)ClassICertificationwithfactoryIDMCertification.							
	Warranty							
	5yearscomprehensivewarranty							
2.	**Procurementof24PortEthernetSwitchwithHousing;asperfollowingtechnicalspecifications:**	10	Set					
	GeneralFeatures:							
	PhysicalPorts:24x10/100/1000MbpsRj45;EthernetPortswith4xGigSFPPorts;SwitchingCapacity:56Gbps;Forwarding Capacity : 41.7Mpps; Flash : 128 Mbit; DRAM : 128 Mbit; Packet buffer memory: 4.1 Mbit; OperatingHumidity:10to90%Non-condensing;Temperature:0°C-40°C;Powersupply:ACPower:100-240VAC,50/60Hz and6Kv input Surge Protector; Forwarding Mode : Store and Forward; MAC Address Table : 8K; Max.Jumbo Frame size : 10k; VLAN ID support : 4k ; ACL Table : 1K; Port Queues : 8							
	L2Features							
	SwitchshouldsupportAuto-NegotiationforportsspeedandduplexmodeSwitch should support STP / RSTP / MSTP SwitchshouldsupportLoopbackDetection,BPDUFilterandBPDUGuard							

SwitchshouldsupportIGMPv1/v2/v3Snooping,IGMPQuerier,IGMPProxy,MVRSwitch should support 256 IEEE 802.1q tag based VLAN with 4K vlan ID SwitchshouldsupportPortIsolation(Multi-to-one) SwitchshouldsupportPortBasedVLAN,MACBasedVLAN,VoiceVLAN,GuestVLANSwitch should supportLACP8 Groups, 8 Ports/Group, Static Trunk						
QoSFeatures						
SwitchshouldsupportQueueingMechanism:SPandWRR. SwitchshouldsupportClassificationsbasedonCOS,COSDSCPandIPPrecedenceSwitch should support LLDP and Flow control, Rate Limit (Port Based)						
Security						
Switch should support Mac address BindingSwitchshouldsupportBroadcaststormcontrol Switch should support IP and MAC ACL SwitchshouldsupportRADIUS,AAA SwitchshouldsupportPortSecurity,ProtectedPortSwitch should support DOS SwitchshouldsupportDHCPSnooping,IPSourceGuard						
Management						
Switch should support Port MirroringSwitchshouldsupporttrafficstatistics Switch should support IPv4 Web-based managementSwitchshouldsupporttoconfigureBackupandRecverySwitch should support Management VLAN Switch should support SNMP v1/v2c/v3SwitchshouldsupportTelnet,SSH,HHTPS						
Certification						
TheswitchmustbeTEC-certifiedundertheMandatoryTestingandCertificationofTelecomEquipment(MTCTE)program.						
Regulatorycompliance						
1. TheOEMmustbeoperationinIndiaforaminimumof25yearsandshouldhaveover5yearsofexperienceinmanufacturing networking equipment in India. 2. TheOEMmustpossessavalidGSTnumberandatradelicensefortheEasternRegion. 3. TheOEMmustholdvalidcertificationsforISO9001:2015,ISO14001:2015,ISO27001:2022andISO45001: 2018. 5. TheOEM'saverageannualturnovermustnotbelessthanRs.150croresoverthepastthreefinancialyears. 6. Allswitchshouldbefromsamemakeforbettercompatibilityandmanagement.						
Warranty						

	5yearscomprehensivewarranty							
SITCatCentral Control Room								
3.	**ProcurementofManagementApplicationServerwithnecessarysoftwareandrelatedaccessories;asperfollowing technical specifications :**	1	*Set*					
	ServerHardware:							
	Type/FormFactor:1U/2URack mountServer;Processor: Minimum2xIntelXeonSilver4210RProcessorwith10C/20T , 2.4 GHz ,13.75 MB Cache, 100W or better CPU, 8 small form factor drivebays; Memory : 128 GBMemory; Hard Disk Drive: 6 x 600 GB SAS 10K SFF SC MV HDD or as per requirement; NIC /LAN: 4 x 1GbEnetworkadapter;HBA:2PFCHBAwithDualSFPTransceiver;GraphicsCard:QUADROT4004GBGraphicsCard; Power Supply : Dual 800W Hot-plug Power Supply (Redundant Mode); Operating System: Windows Server2019/2022StandardwithLicense; Devices : Keyboard&OpticalMouse; USBPorts : Shouldhave USB3.0&USB 2.0port;OpticalDrive:EnhancedDVD-RWwith10nos.DVDRWMedia							
	TimeAttendanceManagementSoftware							
	UserMaster(employeemaster):Softwareshouldnothavefixedusermaster.Usermastershouldbecompletelyuser definable and there should not be any limit or restrictions on number of fields to be created; Multi TimeZoneSupport:Singletimezonesupportrequired;LocationMapping:Deviceofonelocationcanbesharedwithemployee belongstoanotherlocation;Roles&UserGroup:ConfigurationRoles&UserGroupforeffectiveusermanagement (i.e. Module wise-View/ Add/ Edit/ Delete) & Company, Location and User Type selection; Reset/Unlock Account : Provision to Reset OR Unlock Accounts and when required							
	Default User Group: Assign Default user group User-type & Location wise; Password Policy: Effective &Configurable Password Policy to manage industry standard secure login. Now, Administrator can take usersconsent/acknowledgementonCompanyPolicyaswell.;UserLogs:Non-Disabled,Non-Removable&EffectiveUser logs to track & troubleshoot any issues,along with export to excel facility; Device Logs: To Track allCommands, send from Software to Devices, Very important for Device related Issue's troubleshooting;Notification Logs: Use fault to check logs for all kind of Notification like Email SMS & APP logs.							
	ErrorLogs:AnyErrorgeneratedonanyPagegetsrecordedforrecords&troubleshootalongwithtime- stamp;ActiveDirectoryIntegration:ToIntegrateUser'sdetailfromClient'sActiveDirectoryintoSoftwareApplicationons cheduledtime;Email&SMSConfiguration:ToConfigureEmail&SMSParameters(SupportedType:GSM Modem,WebService,PINPOINT);UploadFileSizeSettings:ConfigureamaximumsizethatusercanuploadintoSoftware Application for various reasons like Image, Document, Excel/ CSV/ Text; System Process Scheduler: ToConfigureallkindofschedulerjobslikeVisitorExpiryNotification,DayComplete,SetDate&TimeonControllers.							
	Version:ToShowCurrentversionofallComponents&ModulesalongwithReleaseNotes;AppPrivacyPolicy:ToConfigureA pplicationPrivacyPolicy,Disclaimer&AboutUspagesforESSMobileApp;LicenseSummary:ToViewAvailable&Utilizedl icensedetailsmodulewisealongwithProductKey;Look-upTypes:Usedtocreatenewlook-up and to modify existing look- up fields; Import Data :Provision to import Masters (User-type, User Hierarchy,Employee Photo Holiday), transactions (Leave, Tour, OD etc), Access Groups (for both Attendance, AccessControl) either through CSV or Text file							
4.	**ProcurementofDatabase/TMSServerwithnecessaryclientsoftwareandrelatedaccessories;asperfollowing technical specifications :**	*1.00*	*Set*					
	ServerHardware:							

Type/FormFactor:1U/2URackmountServer;Processor: Minimum2xIntelXeonSilver4210RProcessorwith10C/20T , 2.4 GHz ,13.75 MB Cache, 100W or better CPU, 8 small form factor drivebays; Memory : 128 GBMemory; Hard Disk Drive: 6 x 600 GB SAS 10K SFF SC MV HDD or as per requirement; NIC /LAN: 4 x 1GbEnetworkadapter;HBA:2PFCHBAwithDualSFPTransceiver;GraphicsCard:QUADROT4004GBGraphicsCard; Power Supply : Dual 800W Hot-plug Power Supply (Redundant Mode); Operating System: Windows Server2019/2022StandardwithLicense; Devices : Keyboard&OpticalMouse; USBPorts : Shouldhave USB3.0&USB 2.0port;OpticalDrive:EnhancedDVD-RWwith10nos.DVDRWMedia						
TheSoftwareshouldhaveAttendanceModulewithfollowingfunctionality:						
Shift/ Leave						
AllParameterofshiftslikeCode,StartingTime,EndTime,AndveryimportantlyMaxShiftHourscanbeconfigured. Thereshouldbepossibilityofaddingunlimitedshifts.Furtherthereshouldbeavailabilityofshiftroaster,shiftrotation and Flexi shift. ThereshouldbeoptiontoallowtoleranceofuserconfigurabletimethatshallnotbeconsideredaslatecomingSoftwreshoul dbeabletoaddmultipleleavetypessuchasMonthly,Quarterly,HalfYearly,YearlyORCareeretc.						
Attendance						
AttendancePolicyshouldbeabletoconsiderAllParametertocalculatePresent&Absentinvariousscenarios.Attendance policy should be able to divide into two part (Office Work & Remote Work). Should also haveprovision to add Flat Hour based & Time Based Policy. AttendancePolicyshouldhaveProvisiontoUploadPolicyDocumentinPDFformatbyAdministratorsothatthesame will be viewable by Employees in their ESS Portal. AdminshouldbeabletosetparametertorestrictbackdatedapplicationbeyondXXdaysifrequire						
Overtime/Coff						
SoftwareshouldhaveCapabilityofcreatingvariouskindofOvertimePolicywithScriptBasedtemplate,Earning& Disbursement methods makes Overtime policy more effective, should have provision to Upload PolicyDocument in PDF format by Administrator so that the same will be viewable by Employees in their ESS Portal.Admin can set parameter to restrict backdated application beyond XX days if required.						
Leave						
Software should have facility to configure every single parameter of all individual Leave Types. Parameters likeOpeningBalance,Max/MinperApplication,CarryOver,Encasement,Lapse,BalanceAcquiringMethodsetc.Onthebasis ofparameter,wearetomakesanapplicationtoconfiguremostoftheLeavewhetheritisMaternity/Paternity, Sabbatical, Medical Leave etc.						
LateArrival/Earlygoing						
SoftwareshouldallowLateArrival&EarlyGoingPolicytoanemployeetoutilizetheirIN/OUTtimeinapropermannerwithout anylossinPayroll,ProvisiontoUploadPolicyDocumentinPDFformatbyAdministratorsothatthe same will be viewable by Employees in their ESS Portal. Admin can set parameter to restrict backdatedapplication beyond XX days if required.						
Tour&Outdoor Duty						

	This policy allows to configure Criteria (Min/ Max day Application), Monthly/ Annual Limits, Misc Rules (likewhethertoincludeWeekoff,Holiday,istobeappliedwellbeforeXXdays)etc.ProvisionisprovidedtoUploadPolicy Document in PDFformat by Administrator so that the same will be viewable by Employees in their ESSPortal. Admin can set parameter to restrict backdated application beyond XX days if required.							
	GeneralFeatures:							
	Tour; Outdoor Duty; Sanction Applications; Restrict User Applications; Month Closure; Late Permission; EarlyPermission;Late/EarlyWaiver;LeaveApplication;LeaveAdjustment;LeaveAccruals;LeaveCarryForward;LeaveO pening (One Time), Shift Roster							
	Protocols:UpdateProtocollikeHTTP,BLE,SNMP,FTP,MODBUSonitscompatibledevices.							
	Database:HelpHR/AdminuserstokeepsystemUpToDate,Systemshowsifincaseanydeviationfoundeitherfrom software or hardware ends and allow admin to quickly sync it.							
5.	**ProcurementofNASandrelatedaccessories;asperfollowingtechnicalspecifications**	1.00	No					
	HardwareInterface:SolidstateDrive;Capacity:32TBorhigher;RAM:2GBandmore;HDD:4xSATA36Gb/s; 3.5"/2.5" HDD/SSD; Connector Type: Ethernet 10 Gbps 2 port and USB3.1 and above							
	Warranty							
	5yearscomprehensivewarranty							
6.	**Procurementof24-PortEthernetSwitchwithnecessaryaccessories;asperfollowingtechnicalspecifications**	10.00	Set					
	GeneralFeatures:							
	PhysicalPorts:24x10/100/1000MbpsEthernetportswith4x1/10GigSFP+ports;Managementport:1xRJ45port consoleport; Switching Capacity :128Gbps; Throughput :96Mpps ; Flash :16MB ; RAM:256MB ; MACAddress:16k;Routingentries(IPv4/v6):505/131;Packetbuffermemory:1.5MB;RelativeHumidity:10%-90%non-condensing; Temperature :0°C -50°C ; Power Supply :Default: AC: 100-240V							
	L2Features							
	Switchshouldsupport4KActiveVLAN *SwitchshouldsupportQinQ&SelectiveQinQSwitch* *should support GVRP* *SwitchshouldsupportPrivateVLAN* *Switchshouldsupport802.1D(STP),802.1W(RSTP)and802.1S(MSTP)Switch* *should support BPDU guard, root guard and loopback guard* *SwitchshouldsupportIGMPv1/v2/v3,IGMPSnooping,IGMPFastLeave,MVR,IGMPfilter*							
	QoS							
	SwitchshouldsupportCAR,MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOSbasedQoS,802.1P/DSCPpriorityre-labeling *SwitchshouldsupportSP,SP+WRR,WRED,Tail-Drop,flowmonitoringandtrafficshaping*							

	Security						
	SwitchshouldsupportPortisolation,PortsecurityandIP+MAC+portbinding SwitchshouldsupportMACsticky,DAI&IPsourceguard,IEEE802.1x,AAARadiusandTACACS+,L2/L3/L4ACLflow identificationand filtration SwitchshouldsupportAnti-attackfromDDoS,TCP'sSYNFlood,UDPFlood,etc.Switch should support Broadcast/multicast/unknown unicast storm-controlSwitch should support MD5, SHA-256, RSA-1024, AES256, etc.						
	NetworkManagement						
	Switch should support Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMONSwitch should support TFTP, FTP, SFTP SwitchshouldsupportNTP,ZTP,SPAN,RSPAN						
	Reliability						
	SwitchshouldsupportStatic/LACPlinkaggr egation, Interfacebackup SwitchshouldsupportEAPSandERPS SwitchshouldsupportISSUUninterruptedsystemupgrade SwitchshouldsupportUpto4Unitsperstack,40GbpsstackingbandwidthSwitch should support VRRP, UDLD						
	DHCP						
	SwitchshouldsupportDHCPserver/relay/client,DH CPsnooping/option82						
	Certification						
	ProductshouldbeTECcertifiedunderMandatoryTestingandCertificationofTelecomEquipment						
	AllSwitchesshouldbefromsameOEMforbetterintegraton&performance						
	Warranty						
	5yearscomprehensivewarranty						
7.	**SITCofVisitorManagementSystematHO**						
	ProcurementofManagementServerwithrelatedaccessories;aspertechnicalspecifications	**1.00**	**No**				
	ServerHardware:						
	Type/FormFactor:1U/2URackmountServer;Processor: Minimum1xIntelXeonSilver4210RProcessorwith10C/20T , 2.4 GHz ,13.75 MB Cache, 100W or better CPU, 8 small form factor drivebays; Memory : 32 GBMemory; Hard Disk Drive: 2 x 600 GB SAS 10K SFF SC MV HDD or as per requirement; NIC /LAN: 4 x 1GbEnetworkadapter;HBA:2PFCHBAwithDualSFPTransceiver;GraphicsCard:QUADROT4004GBGraphicsCard;						

	Power Supply : Dual 800W Hot-plug Power Supply (Redundant Mode); Operating System: Windows Server2019/2022StandardwithLicense; Devices : Keyboard&OpticalMouse; USBPorts : Shouldhave USB3.0&USB 2.0port;OpticalDrive:EnhancedDVD-RWwith10nos.DVDRWMedia							
	Warranty							
	5yearscomprehensivewarranty							
8.	**ProcurementofVisitorManagementSoftware;asperfollowingtechnicalspecifications**	**1**	**Set**					
	UserHierarchy:Averyimportantparttomanagework-flow.Allyouneedtodoismapimmediateapproverofanemployee that's it. Rest all job is been done by Application itself.							
	EmployeeDelegation:Thisfunctioncouldbeusedtodefinethealternatehost/s,toreceivethevisitorintheabsence of a host. Maximum up to 2 alternate hosts can be configured.							
	Pre-registration:Whenthehostpre-schedulesameeting,itwillbelistedhere.NewPre-Registrationsapplicationcan also be processed with this function.							
	Registration:Thisfunctionletstheusertoregisterthevisitors,thatareyettoberegistered,rightonthespot.							
	FrontDesk:Anemployeeatthefrontdeskcanfetchthedetailsliketoday'svisit,Last7days,Last15Daysetc.,Checkin&CheckOut ,Preparingquickvisitor Pass,alongwiththe visitor requests thatareyettobe approved.							
	Watch/BlackListVisitor:Hereinthefunctionausercanselectfrom'Watchlist'(asystemallowsthevisitortoenter) or `Blacklist' (a system Does not allow the visitors to enter). Parameters like First Name, Last Name,MobileNo,Email,VisitorCompany,Reason,Actionneedstobeselected,priortoinformingthesystemabouttime duration till when the visitor is either blacklisted or watch listed.							
	Visitor Category : This function allows the user to categorize every visitor visited the company into variouscategoriesforeasyaccessibility.Eventheconfigurationoftheprocessi.e.fromregistrationtoendmeetingcanbe done seamlessly using this function.							
	BarcodeSettings:Thebarcodewillhelpinauthorizingapersonandidentifyhis/hervisitusingaBarcodereader.Thus, barcode settings are made as per the requirements.							
	ConfigurePreVisitorPage:Withthisfunctionausercanconfigure"Pre-Registration"Page(frequentlyusedbythe Host to make entry of Pre-Registered visitors). Configuration includes field addition & deletion, fieldnomenclature, mandatory or not, etc.							
	ConfigureVisitorApp:AusercanconfigurethevisitormanagementapplicationforI-Padthroughthisfunction.Addvaluetoeachparameterpresentonthepageformanagingtheapplication.Parametersofconfig urevisitorapp are as follows.							
	DashboardDesigner:Allowstodesignuserdefineddashboardsforvisitors.							
	ConferenceView:Thisfunctionusestheconferencedata(booked/available)togenerateaconferenceview.Itsoccupancy will be displayed into various colours.							
	Warranty							
	5yearscomprehensivewarranty							
9.	**ProcurementofKioskforVisitor;asperfollowingtechnicalspecifications**	**1**	**No**.					

	GeneralFeatures:							
	OS : Windows 10 IOT or Pro; Processors : Intel i3 or higher; RAM : 4GB or higher; Storage : 128GB SSD;Connectivity:WIFI;Ethernet;Temperature:0°Cto60°C;Display:21.5"PCAPMultiTouch;AspectRatio:16:09;Resolution:1920*1080;Brightness:250cd/m2;Documentscanner:CapturingimagesofIDcardsoftheVisitors;Card Reader : Card based access to the kiosk; Card Dispenser: Issuing temporary access cards to the visitors;Label Printer :Issuing label based Gate passes to the visitors; Biometric scanners : Enrolling or authenticatingblacklisted visitors, employees, vendors, etc.; Fingerprint scanner; IRIS scanner; Facial Recognition Camera							
	FacialRecognition(Optional):Video:1280x720pixels;Images:Upto5MP							
	ReceiptPrinter							
	PrintingMethod:Thermal,Fixedhead;PrintResolution:203dpi;PrintingSpeed:150mm/s;PrintingWidth:52-80 mm; Sensors: Auto-cutter							
	KioskBodyFeatures							
	Durable Steel frame with powder coatingMoisture-proof, Anti-rust, Anti-dust, Static freeLeft& right bi-channel multimedia speakersPower strip with surge protection Internal Dust nets for protectionExternalOn/OffSwitch&LA *NPortSwing-handle door locks*							
	Warranty							
	5yearscomprehensivewarranty							
	Buy-backofExistingBiometricReaders							
10	*ProcurementofFaceRecognitioncumFingerPrintbasedAttendancedevicewithMetalHousingandsoftwareLicense ; as per technical specifications mentioned in Serial No. 1*	110.00	Set					
11	BuybackofoldAttendancedevicesupportedwithbiometricFinger -printpressionincludingwallmountingaccessories.	110.00	Nos.					