

# WEBEL TECHNOLOGY LIMITED

## NOTICE INVITING e-TENDER

e-Tender are invited for creating a Proof of Concept of Bio Heap Temperature Monitoring & Early Alert System. Bids are invited from reputed bidders having sufficient experience and credentials for successful completion of “**Similar Nature**” of work in a Central or State Government Department/PSU/Autonomous Body.

1.	Tender No. & Date	WTL/DVC/TASPOC/25-26/016 dated 30.07.2025
2.	Tender Version No.	1.0
3.	Brief description of Job	Proof of Concept of Bio Heap Temperature Monitoring & Early Alert System
4.	Tender Fee	Rs.5000.00 (Rupees Five Thousand only). The amount to be transferred online through e-tender portal.
5.	Earnest Money Deposit	Rs. 196000.00 (Rupees Two Lakh only) The amount to be transferred online through e-Tender portal.
6.	Date of Downloading/Sale of Tender document	30.07.2025
7.	Pre-Bid Meeting date & time	06.08.2025 at 12.00 pm (On-Line Meeting) <ul style="list-style-type: none"><li>• Pre-Bid meeting will be organized on online platform only.</li><li>• Only queries as per format (Section - M) reaching WTL by 05.08.2025 at 3.00 pm will be taken for decision.</li><li>• Interest bidders are requested to send mail to purchase@wtl.co.in for participation of online pre-bid meeting. Based on request WTL will share meeting id / links for meeting. If there is any change in date and time, then will inform.</li><li>• Queries will be sent to Purchase Department (purchase@wtl.co.in)</li></ul>
8.	Bid Submission Start date & time	08.08.2025 at 17.00 hours
9.	Last date & time of EMD & Tender Fee submission intimation.	Before Uploading of Tender
10.	Last date & time of Bid Submission	12.08.2025 at 12.00 hours
11.	Date & time of Technical Bid Opening	14.08.2025 at 12.00 hours
12.	WTL Address	WEBEL TECHNOLOGY LIMITED (A Govt. of West Bengal Undertaking) Plot - 5, Block – BP, Sector – V, Salt Lake City, Kolkata – 700091.
13.	Contact person	033-23673403-06

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1. Intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Necessary Tender fee may be remitted online through e-tender portal in favour of “Webel Technology Limited” and also to be documented through e-filing. Necessary Earnest Money Deposit (EMD) may be remitted online through e-tender portal in favour of “Webel Technology Limited” and also to be documented through e-filing.
2. Both Techno Commercial Bid and Financial Bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>.
3. Tender documents may be downloaded from website and submission of Techno Commercial Bid and Financial Bid will be done as per Time Schedule stated in Section – C of this Tender Document.
4. The Financial Bid of the prospective Bidder will be considered only if the Techno Commercial Bid of the bidder is found qualified by the Tender Committee. The decision of the ‘Tender Committee’ will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.
5. All clarifications / corrigenda will be published only on the <https://wbtenders.gov.in>.

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# **WEBEL TECHNOLOGY LIMITED**

## **SECTION – A**

### **PROJECT BACKGROUND**

#### **1. About WTL**

Webel Technology Ltd, a Govt. of West Bengal Undertaking under the administrative control of Department of Personnel & Administrative Reforms, Govt. of West Bengal is an ISO 9001:2015, ISO/IEC 27001T:2013 and CMMI Level 5 certified e-Governance Solutions Provider and engaged in the Digital Transformation Journey of the State Government. WTL is the State Nodal Agency & State Implementing Agency for implementation of all e-Governance related activities in the State. SWAN & SDC infrastructure of the State Government are spearheaded and managed by WTL under the aegis of Information Technology & Electronics Department, Govt. of West Bengal.

WTL is a wholly owned Government Company incorporated in April 2001 and has been profitable since inception. Since the last nine years, WTL has shown a stupendous growth and is one of the fastest growing Government Undertakings. WTL is a self-sustained company offering a wide range of services including implementation of IT and Infrastructure Projects, Software Delivery Services, IT Consultancy Services, Information Security Assurance Services & Procurement of Infrastructure for Departments. Besides offering holistic and comprehensive IT Solutions & Services WTL also focuses on venturing with Technology Partners including Start-ups with the objective of introducing new and innovative technologies to be used by the Government to improve Efficiency, Transparency and Cost Effectiveness.

WTL has partnered / partnering the State Government in all its major e-Governance initiatives like creation of WB State Data Centre, WB State Wide Area Network, MPLS-VPN connectivity up to Block levels, Integrated Financial Management System, e-Recruitment initiatives , e-Reservation for various State Transport Corporations, e-Registration of Land Deeds, e-Governance initiatives of the Directorate of Commercial Taxes ( e-Registration, e-Amendment, e-Payment, e-Return, e-Refund, e-Appeal, e-Forms, e-STDS & DMS), Digitization of all legacy Land records and Modernization of Record Rooms up to Block level and implementation of Incident Response System along with setting up of State-of-the-art Emergency Operation Centre for the Department of Disaster Management etc.

#### **2. About Damodar Valley Corporation**

Damodar Valley Corporation (DVC) emerged as a culmination of attempts made over a whole century to control the wild and erratic Damodar River. The valley has been ravaged frequently by floods at varying intensities. Serious floods occurred in 1730, 1823, 1848, 1856, 1882, 1898, 1901, 1916, 1923, 1935 & 1943. The river spans over an area of 25,000 sq. kms covering the states of Bihar (now Jharkhand) & West Bengal.

The catastrophe caused by the 1943 flood, led to serious public indignation against the Government. As a result, the Government of Bengal appointed a board of Enquiry titled “Damodar Flood Enquiry Committee” with the Maharaja of Burdwan and the noted physicist Dr. Meghnad Saha as members for suggesting remedial measures.

Dr. B. R. Ambedkar, as a member of Cabinet of pre-independence, played a pivotal role in the coordinated efforts for development of the Damodar basin by the Central Government. He pursued relentlessly for the development proposal for Damodar Valley.

The Damodar Flood Enquiry Committee suggested creation of an authority similar to the Tennessee Valley Authority (TVA) in the USA, and recommended the construction of dams and storage reservoirs at the sites with a total capacity of 1.5 million acre ft. (1.850 million cu. M) and highlighted the possibilities of multipurpose development in the valley area. The Govt. of India then commissioned the ‘Central Technical Power Board’ to study the proposal and appointed Mr. W L Voorduin, a senior engineer of the TVA to study the problem at the Damodar and to make his recommendation for comprehensive development of the valley. Accordingly in August, 1944 Mr. Voorduin submitted his ‘Preliminary Memorandum on the unified Development of the Damodar River.’

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Mr. Voorduin's "Preliminary Memorandum" suggested a multipurpose development plan designed for achieving flood control, irrigation, power generation and navigation in the Damodar Valley. Four consultants appointed by the Government of India examined it. They also approved the main technical features of Voorduin's scheme and recommended early initiation of construction beginning with Tilaiya to be followed by Maithon.

By April 1947, full agreement was practically reached between the three Governments of Central, West Bengal and Bihar on the implementation of the scheme and in March 1948, the [Damodar Valley Corporation Act \(Act No. XIV of 1948\)](#) was passed by the Central Legislature, requiring the three Governments, The Central Government and the State Governments of West Bengal and Bihar (now Jharkhand) to participate jointly for the purpose of building the Damodar Valley Corporation. The Corporation came into existence on 7th July, 1948 as the first multipurpose river valley project of independent India.

### 3. Background & Objective of the Project

Damodar Valley Corporation wants to get a Proof of Concept done for monitoring of coal temperatures in the coal yards in their thermal power plants; and create a pre-alert mechanism, in cases of temperature rises.

Coal has self-combustible properties. Coal dust and Volatile materials in coal react very easily at atmospheric temperatures with oxygen in the air, starting the chemical reaction of combustion ( $C+O_2=CO_2$ ). As the combustion process starts, it gradually increases the temperatures of surrounding coal thus increasing the chances of combustions; this leads to a cycle of unstoppable combustion. The volatile matter is a mixture of gases (like methane and other hydrocarbons, hydrogen, oxygen, and carbon monoxide) and low-boiling-point organic compounds that condense into oils and tars upon cooling. The fire risk in coal increases with the quantity of VM. VM content increases in coal with decreasing GCV.

Coal Heap Temperature Monitoring & Early Alert System (TAS) involves installing thermal cameras in lines of installation on the outer lines of coal yards, to accurately monitor coal temperature and alert DVC when temperature has passed acceptable limits for risk of smoke/fire.

Considering the best way to avoid self-combustion is removing the air tunnels from between the coal rocks in coal heaps, dozers regularly keep running on top of the coal heaps, to compact the coal. This minimizes the contact of coal particles with air oxygen, hence chances of combustions. However, this method might have worked better for long term storage heaps, where once compacted, can let the heaps be stable. In DVC for power generation coal is constantly moved from one place to yards, and yard to CHP (Coal handling and processing units) and CHP to Turbine units. Roughly each batch of coal coming into the DVC plants doesn't stay in the plant for more than 15-60 days. Thus, it's always moving, even in the yards.

Taking everything into consideration, there is a need of

- Temperature sensors,
- Constant monitoring
- Alerting DVC engineers in case of changes in temperature and
- Accurately point out which spots are at high temperature and to what extent.

This would empower DVC engineers to immediately take preventive actions, much before any fire risk.

Using temperature probes (simple thermometers) in the coal heaps is not a wise solution due to the rough handling of coal heaps which would certainly destroy these equipment however steely they might be; also since the coal heights in same day can vary 15-25 feet when reclaimers start feeding coal from them installing the thermometers at a specific height is not feasible. Hence a thermal imaging camera-based solution is required.

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## SECTION – B

### SCOPE OF WORK

#### 1. Requirements

Following requirements form the basis for the design and development of a robust Temperature Alerting System, ensuring efficiency, transparency, and improved service delivery at DVC offices.

- Coal Yards Requirements
  - **Thermal Cameras:** To automatically take thermal images 24X7X365 days for all fields of coal with capability of pinpointing coordinate of a particular high temperature
- Plant requirements
  - **Display Panel**
- Alert Integration
  - Buzzer Alarms at plants
  - Email Alerts to DVC
  - Screen Alerts on display panels
- Backend System
  - **Cloud Connectivity:** The system should include cloud connectivity to:
    - Integrate with third-party APIs.
    - Provide a cloud-based dashboard for real-time monitoring and analytics.
  - **Data Synchronization:** Ensure synchronization between the on-premise system and cloud dashboard for seamless data access and reporting.
- Dashboard Requirements
  - **Local Office Dashboard:** Mejia plant office should have a dashboard to monitor:
    - Temperatures over different areas of coal yards.
  - **Centralized Dashboard:** A holistic dashboard should be available for administrators in DVC HQ to
    - Monitor the status of the chosen POC plant and later multiple plants
    - View KPIs such as average temperature over last 24 hours - View change in temperatures over last 24 hours for all areas in coal yards.
    - Generate overall temperature reports and analytics - Analytics here means giving historical reports, as well giving current readings and alerts.
- Performance and Scalability
  - **Real-Time Updates:** The system should update temperature status in real-time to ensure transparency and smooth operations.
  - **Scalability:** The solution should support deployment across hundreds of locations with centralized management.
  - **Uptime and Reliability:** Ensure system uptime with a robust design, including failover mechanisms and reliable hardware components.
- Security and Integration
  - **Data Security:** Implement encryption for data transmission between on-premise servers and the cloud.
  - **User Authentication:** Secure access for operators, administrators, and API integrations with role-based permissions.
  - **API Integration:** Provide APIs for integrating the Camera readings with AI and display panels, and DVC dashboard.

#### 2. POC Items of Work

POC will involve

- Setting up two cameras at POC Site.
- Development of a software to process AI and thermal images to generate alerts. Software will allow 6-10 users for this POC.
- A display panel
- Buzzer alarms triggered by software. One alarm at POC site.
- Display panel to give risk gradients from 1-5
  - 1: Temp 2 degrees higher than ambient temperature (Just a display panel alarm sign/ pop-up)

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- 2: Temp 5 degrees higher than ambient (Buzzer alarm loud sound at coal yard, display alert sign/pop-up at the display panel, and email stating the temperature difference has reached >5 degrees)
  - 3: Temperature 10 degrees higher than ambient (Same as point 2 above, email stating the temperature difference has reached >10 degrees)
  - 4: Temperature 20 degrees higher than ambient (Same as p.2 above with email stating the temperature difference has reached >20 degrees)
  - 5: Temperature 40 degrees higher than ambient (Same as p.2 above with email stating the temperature difference has reached >40 degrees).
- Advisory Service on Analytics for 6 months

## 3. POC Execution

### 5.1 Site Assessment (optional) and Design

- Conduct detailed on-site assessments capturing exact coal yard dimensions, layout, existing structures, and coal handling equipment at Mejia plant.
- Develop a comprehensive design specifying camera placement, network infrastructure, server locations, and system architecture.

### 3.2 Supply and Installation of Equipment

Supply and install all components required as part of the project to meet the technical, functional, and performance requirements of the project. This will involve

- Supply thermal imaging cameras.
- Installation of cameras ensuring maximum area coverage with minimal blind spots.
- Provide robust network hardware, including industrial-grade routers, managed switches, and CAT6 or higher cabling for secure and reliable data transmission.
- Deploy local server infrastructure for data processing and immediate alert generation.

### 3.3 Software Design, Development and Implementation

- Design, development and deployment of advanced analytics software incorporating AI-driven predictive algorithms for real-time thermal anomaly detection and risk assessment.
  - AI-driven alert generation based on predefined temperature thresholds and dynamic environmental baseline adjustments.
  - Real-time audio/visual alarms at local sites for immediate awareness.
  - Daily Alerts: Immediate notification for any threshold breach via Email and SMS.
  - Weekly Alerts: Summarized weekly temperature trends, hotspots, and actionable insights via email.
  - Monthly Alerts: Detailed monthly analytics and risk assessments, along with predictive analytics reports via email.
  - Escalation Flow: Initial alert via SMS and Email to site operators; second-tier alerts to plant supervisors if unresolved within 30 minutes; final-tier alerts to management and emergency response team if unresolved within one hour.
  - Mobile App integration for real-time viewing of alerts, temperature trends, historical data, and predictive analytics.
- Configuration of on-premises servers and integrate cloud-based dashboards for real-time and historical data synchronization and analytics.
- Implementation of user-friendly dashboards providing real-time monitoring, AI-based predictive alerts, historical analysis, and customizable reporting functionalities.
- Software should have integration capabilities with third-party APIs and enterprise management systems for comprehensive operational coordination.
- All software development/implementation should be done using standard Software Development Life Cycle (SDLC) with suitable checkpoints at the end of each activity and may be demonstrated to the client periodically as per the project requirements.
- The technology platform chosen for all software shall be based on open standards and shall be secure.
- Testing: The implemented system shall be tested in accordance with the requirements of the project and will be subject DVC's approval. The type of tests will include the following
  - Functional Testing: Test the system to ensure all the modules, components, screens, reports etc. are working properly and delivering the outputs functionally expected from the system.

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- Stress and Load Testing: Comprehensive stress and load testing of all components / solutions shall be conducted to demonstrate performance robustness and reliability of the system.
- User Acceptance Testing: This test shall be conducted after successful System Functional Testing and Stress and Load Testing.
- Security Testing (including penetration and vulnerability test): Post the completion of User Acceptance Testing, the System shall be considered for Security Testing on the Production environment before being accepted for going live. Security testing shall be conducted to demonstrate security requirements at network layer and software application. Security testing shall be carried out for exact same environment/architecture that shall be set up for go-live.
- Software should be cyber security certified by a Cert-in empanelled organization.

### 3.4 Quality Control

- It is to be ensured that all the hardware of software go through stringent quality checks before the final delivery
- Quality Control Certificate needs to be provided for each of the hardware devices delivered, which will certify that Quality control checks have been executed on a predefined set of standards.

### 3.5 Training

In order to help the DVC staff in using the system, structured capacity building programs shall be undertaken for multiple levels in the organizational hierarchy.

- Prepare and submit detailed Training Plan and Training Manuals to DVC / authorized entity for review and approval.
- Conduct end user training and ensure that the training module holistically covers all the functionalities of the software and hardware.
- Facilitate and coordinate this entire Training process.

### 3.6 Advisory Service

After go-live of the POC system, a six month advisory service will be required, this will involve 1 person providing Analytical and Advisory Support on DVC Working Days in General Shift 10 am – 7 pm.

### 3.7 Project Management

End to end project management for implementation and maintenance of the entire project along with all components and sub-components will be part of the project team's responsibility. Team of experts needs to be deployed for project management and delivery.

A designated Project Manager should be there who will be the single point of contact and shall assume overall responsibility of the Project to ensure end to end working of the Project. The Project manager shall function as the primary channel of communication for all Client requirements to the implementation team. In case of any absence of the project manager (vacation or sickness), it needs to be ensured that an alternate project manager (of similar or better qualification and with full knowledge of the project) is present on site during the absence period of the Project Manager.

## 4. POC Site

Site inspection maybe done by bidder for understanding.

Site Details: Damodar Valley Corporation, Mejia Thermal Power Plant

## 5. Roles and Responsibilities

The roles and responsibilities for the various agencies involved in the project are provided below.

### 5.2 Customer (DVC)

- Freeze the requirements to implement before start of implementation.
- Providing approvals at various stages and release of funds based on the progress.
- Providing and arranging the permissions for project team for implementation of the work.
- Provide required assistance in data gathering and other key requirements during the implementation phase of the project.
- Facilitate meetings between various stakeholders during the project execution phase.

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- Facilitating workshops for knowledge transfer from the WTL to the DVC staff on the use of the deployed software and hardware components.
- Provide the hosting infrastructure for the software.

### **5.3 System Integrator (WTL & Bidder)**

#### **WTL**

- Overall supervision and monitoring of the project

#### **Bidder**

- Design, supply and implementation of the software and required hardware components.
- Delivering quality products and providing the quality service.
- Ensure SLAs are met during the operation phase of the project.
- Provide a project status reports.
- Deploy adequate staff to complete the tasks in the specified time as per the implementation plan.
- Provide technical assistance and training to the DVC staff on usage of the hardware and software which are part of the project.

### **5.4 Project Evaluation Agency (DVC)**

- Preparation of the pre-implementation report.
- Undertake pre and post implementation studies.
- Evaluation of the project and report submission.

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## SECTION – C

### DATE AND TIME SCHEDULE

<b>Sl. No.</b>	<b>Particulars</b>	<b>Date &amp; Time</b>
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	30.07.2025
2	Documents download/sale start date (Online)	30.07.2025
3	Last Date and time of sending the queries (Offline)	05.08.2025 at 15.00 hrs
4	Pre-Bid Meeting (Online)	06.08.2025 at 12.00 pm
5	Corrigendum, if any will be published (Online)	-
6	Bid Submission start date & time (Online)	08.08.2025 at 17.00 hrs
7	Last Date & time of submission of Earnest Money Deposit & submission of remittance details	Before Uploading of Tender
8	Last Date & time of submission of Tender Fee & submission of remittance details	Before Uploading of Tender
9	Bid Submission closing date & time (Online)	12.08.2025 at 12.00 pm
10	Bid opening date & time for Technical Proposals (Online)	14.08.2025 at 12.00 pm
11	Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals, if any	-
12	Date for opening of Financial Bid (Online)	-

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## **SECTION – D**

### **ELIGIBILITY CRITERIA**

1. The bidder must be a company registered under Companies Act, 1956/2013 or Partnership or LLP or Proprietary Firm and operational last 10 (Ten) years as on 31st March 2025. Documentary (Certificate of incorporation/Relevant document) evidence to be submitted.
2. The bidder should have valid Trade License, GST Registration Number & PAN. Bidder shall have to submit photocopy of the documents.
3. The bidder should have an average annual turnover of not less than Rs. 10.0 Cr. covering the last three financial years (considering FY 21-22, 22-23 & 23-24). Bidder shall have to submit Audited Balance Sheet / Audited Accounts / Auditor Certificate in support of their claim.
4. The bidder/OEM shall have executed IoT based Sensor Monitoring including Temperature parameter work of single order for an amount not less than total Rs.5.00 Cr within the last 4 financial years (FY 20-21, 21-22, 22-23 & 23-24) and current financial year in Government Department/PSU/Autonomous Govt. Body. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
5. The bidder/OEM shall have executed the work of installing Combined Sensor based Monitoring & Awareness Solution including Temperature Sensing based Monitoring with Mobile App of not less than total Quantity of 100 locations within last 4 financial years (FY 20-21, 21-22, 22-23 & 23-24) and current financial year for any State or Central Government department / SPSU / CPSU. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
6. The bidder/OEM shall have executed at least 1 No. of assignments in Coal Yard Management works of any Industry in the form of IT/ITes/IoT/Sensor Based Deployment related to Coal Yard Management & Monitoring or Digitization. References order copy with completion certificate/payment certificate with all relevant details for the project to be provided.
7. Bidder & OEM should have a call centre (toll free or otherwise) in West Bengal. Details to be submitted in respective letter head.
8. Manufacturer's tender specific authorizations for IoT based Sensors & Calibrator must be submitted as per format (Section – Q) duly signed by the authorized signatory of the company.
9. OEM should have authorized service center/replacement centers in the State of West Bengal. Service Center details to be submitted as per format (Section – R) duly signed by the authorized signatory of the company.
10. The bidder shall submit Bid Form (Section – E) duly signed by the

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authorized signatory of the company as per the format enclosed.  
Deviation in format may not be accepted.

11. Bidder shall submit NIT Declaration (Section – O) duly signed by the authorized signatory of the company as per the format. Deviation in format may not be accepted.
12. Manufacturer registration certificate: Must be registered as a manufacturer of that product or equivalent in DGTD/SSI/SIA/Udyam. Certificate copy to be submitted.
13. The OEM should have minimum ISO certification of ISO 9001:2015. Certificate to be submitted.
14. The bidder shall not have been blacklisted by any State/Central Government or PSU Organization or bilateral/multilateral funding agencies for breach of ethical conduct or fraudulent practices as on date of submission of the proposal (as per DIT guidance note issued on 26-Dec-2011). Declaration on bidder's letter head to be submitted.
15. The bidder should have a presence in the form of offices or engineers in at least 5 districts of West Bengal and Jharkhand (covering the DVC Thermal Power Stations spread). This should be substantiated via proof of office or proof of permanent staff. Declaration from HR Head in company letter head should be submitted.
16. The bidder should comply with the rule 144(xi) of the GFR-2017 on land-border sharing. Declaration on bidders letter head to be submitted.

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## SECTION – E

### INSTRUCTIONS TO BIDDER

#### 1. DEFINITIONS

In this document, the following terms shall have following respective meanings:

“**Agreement**” means the Agreement to be signed between the successful bidder and WTL including all attachments, appendices, all documents incorporated by reference thereto together with any subsequent modifications, the RFP, the bid offer, the acceptance and all related correspondences, clarifications, presentations.

“**Acceptance Test Document**” means a document, which defines procedures for testing the functioning of installed system. The document will be finalized with the contractor within 7 days of issuance of the Letter of Award.

“**Bidder**” means any firm offering the solution(s), service(s) and /or materials required in the RFP. The word Bidder when used in the pre award period shall be synonymous with Bidder, and when used after award of the Contract shall mean the successful Bidder.

“**Contract**” is used synonymously with Agreement.

“**Contract Price**” means the price to be paid to the Contractor for providing the Solution, in accordance with the payment terms.

“**Contractor**” means the Bidder whose bid to perform the Contract has been accepted by Tender Committee and is named as such in the Letter of Award.

“**Default Notice**” mean the written notice of Default of the Agreement issued by one Party to the other.

“**Installation**” means installation of supplied Hardware & Software.

“**Fraudulent Practice**” means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial noncompetitive levels and to deprive WTL and eventually Departments of Gov. of W. Bengal of the benefits of free and open competition.

“**GoI**” shall stand for the Government of India.

“**GoWB**” means Government of West Bengal.

“**Personnel**” means persons hired by the Bidder as employees and assigned to the performance of the Infrastructure Solution or any part thereof.

“**Similar Nature of Work**” means Works entailing completion of a project in the field of Supply or Design, Implementation, Testing and commissioning project of IT based real time monitoring work with aspect of Temperature Monitoring for any Govt. Departments or Public Sector Undertakings

“**Project**” means Supply, Installation, Testing, Commissioning, Software Development and Maintenance of a Proof of Concept of a Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation.

“**Services**” means the work to be performed by the Bidder pursuant to this Contract, as described in the detailed Scope of Work.

“**Interest rate**” means “364 days Government of India (GoI) Treasury Bills” rate.

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"**Law**" shall mean any Act, notification, bye law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Central Government and/or the Government of West Bengal or any other Government or regulatory authority or political subdivision of government agency.

"**LOI**" means issuing of Letter of Intent shall constitute the intention of the WTL to place the Purchase Order with the successful bidder.

"**Requirements**" shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Contract.

"**Service**" means provision of Contracted service viz., operation, maintenance and associated services for DEPLOYED SYSTEMS as per Section titled "Scope of Work".

"**Termination Notice**" means the written notice of termination of the Agreement issued by WTL.

"**Uptime**" means the time period when specified services are available with specified technical and service standards as mentioned in section titled WARRANTY SUPPORT" "%**Uptime**" means ratio of 'up time' (in minutes) as mentioned in section titled "Warranty support".

"**Service Down Time**" (SDT) means the time period when specified services with specified technical and operational requirements as mentioned in section titled "WARRANTY SUPPORT"" are not available to Gov. of W. Bengal and its user departments and organizations.

"**WTL**" means Webel Technology Limited a Govt. of West Bengal undertaking.

## 2. **PRE BID MEETING**

Pre Bid Meeting will be held on 06.08.2025 12pm (Online Meeting). Bidder can send their queries as per format (Section - M) to Purchase Department (purchase@wtl.co.in). Only the queries received within the stipulated date prior to the Pre Bid Meeting will be answered. Interest bidders are requested to send mail to (purchase@wtl.co.in) for participation of online pre-bid meeting. Based on request WTL will share meeting id / links for meeting. If there is any change in date and time then will inform.

## 3. **COST OF BIDDING**

The bidder shall bear all costs associated with the preparation and submission of the bid and WTL will no case be responsible for those costs regardless of the conduct or outcome of the bidding process.

## 4. **BID DOCUMENT**

Bidder is expected to examine all instructions, forms, terms and requirement in the bid document. The invitation to bid together with all its attachment thereto shall be considered to be read, understood and accepted by the bidder unless deviations are specifically stated in the seriatim by the bidder. Failure to furnish all information required by the bid document or a bid not substantially responsive to the bid document in every respect may result of the bid.

## 5. **AMENDMENT OF BID DOCUMENT**

At any time prior to the deadline for submission of proposals, WTL reserves the right to add/modify/delete any portion of this document by issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who have been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

## 6. **MODIFICATION AND WITHDRAWAL OF BIDS**

The bidder cannot modify or withdraw its bid after submission.

## 7. **LANGUAGE OF BID & CORRESPONDENCE**

The proposal will be prepared by the Bidder in English language only. All the documents relating to

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the proposal (including brochures) supplied by the firm should also be in English, and the correspondence between the Bidder & WTL will be in English language only. The correspondence by fax/E-mail must be subsequently confirmed by a duly signed formal copy.

### **8. BIDDER'S SOLUTION**

The bidders are requested to study the Bill of Material supplied with this document carefully. While working out the solution the bidder has to work with the broad minimum specification provided in the tender documents, conforming to the model, make and Part number (wherever provided). While submitting the bid the bidder has to detail out all components needed to complete the system BOM. The bidder is required quote for each item retaining all major components/sub system detailed and specified. As the contractor will be responsible for smooth functioning of the system, availability of spares during the tenure of the warranty period have to be taken care of by the contractor to maintain the guaranteed uptime.

### **9. EARNEST MONEY DEPOSIT (EMD)& TENDER FEE**

The bidder shall furnish Online Receipt against payment of Tender Fees and Earnest Money Deposit.

### **10. REFUND OF EMD**

EMD will be refunded to the unsuccessful bidders without interest by following guidelines of circular 3975-F(Y) dated 28/07/2016 on final selection of Successful Bidders.

### **11. FORFEITURE OF EMD**

EMD made by Bidder may be forfeited under the following conditions:

If Bidder withdraws the proposal before the expiry of validity period.

During the evaluation process, if a Bidder indulges in any such activity as would jeopardize the process, the decision of WTL regarding forfeiture of EMD shall be final and shall not be called upon question under any circumstances.

If Bidder violates any of the provisions of the terms and conditions of the proposal.

In the case of a successful Bidder, if Bidder fails to:

- a) Accept the work order along with the terms and conditions.
- b) Furnish performance security.
- c) Violates any of the work conditions of this proposal or indulges in any such activities as would jeopardize the work.
- d) Submitting false/misleading information/declaration/documents/proof/etc.

The decision of WTL regarding forfeiture of EMD shall be final and shall not be called upon to question under any circumstances, besides, forfeiture of EMD even the Bidder will be deferred from participating in any job for a period of one year.

### **12. FORMS AND FORMATS**

The various inputs for the Techno Commercial as Financial Bids are to be submitted in the format specified. The bidder shall use the form, wherever specified, to provide relevant information. If form does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information. For all other cases, the bidder shall design a form to hold the required information.

### **13. LACK OF INFORMATION TO BIDDER**

The bidder shall be deemed to have carefully examined the Bid document to his entire satisfaction. Any lack of information shall not relieve the bidder of his responsibility to fulfill his obligation under the bid. If bidder has any queries relating to bid document, then he can send the queries before the Pre Bid Meeting.

### **14. CONTRACT EXECUTION**

On receipt of the Letter of Award the contractor should submit a Performance Bank Guarantee (PBG) equivalent to 10% of the total contract value within three weeks from the date of receipt of Letter of

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Award/Order. The PBG should be valid for six month more than the warranty period. All delivery of the material will have to be completed within 30 days from the date of acceptance of contract. Subsequent to the award of contract, the contractor will have to arrange for the requisite material as per BOM.

## 15. TIME SCHEDULE FOR DELIVERY & INSTALLATION

The Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation, shall commence on the award of the contract to the implementation partner through a selection process.

**Overall Project Implementation Timeline will be as follows**

Project Activities	Months							
	M1	M2	M3	M4	M5	M6	M7	Support-Y1
<b>1. Project Preparation</b>								
1.1 Project Inception								
1.2 Project kick-off meeting								
1.3 Plan finalization								
1.4 Team deployment								
<b>2. Requirement and Solution Design Finalization</b>								
2.1 Document the System Requirement Specifications (SRS)								
2.2 SRS sign-off								
2.3 Document to-be Solution Architecture and Design								
2.4 BoM Finalization								
2.5 Deployment plan preparation								
2.6 Training plan preparation								
2.7 Testing Plan and Test Cases preparation								
<b>3. Hardware Procurement and Installation</b>								
3.1 Procurement & Installation of Hardware and System Software (as applicable)								
<b>4. Application Development</b>								
4.1 Development of various Solution Components								
4.2 Unit and Functional Testing								
4.4 System integration testing								
4.5 Stress and Load Testing								
4.6 Prepare all manuals								
<b>5. System Rollout</b>								
5.1 User training								
5.2 User Acceptance Testing								
5.3 Security Testing								
5.4 Production deployment								
5.5 System go-live								
<b>6. Operation and Maintenance</b>								
6.1 Ongoing free support & maintenance								
<b>7. Project Closure</b>								
7.1 Complete knowledge transfer								
7.2 Handover all documentation related to the project								
7.3 Submit Project Closure Report								

## 16. LOCATION FOR DELIVERY & INSTALLATION

As mentioned in Section – B (Scope of Work)

## 17. LIQUIDATED DAMAGE

Hardware: LD clause:

- I. 0.5% of the total Hardware bill value of this segment for every 7 days delay in meeting the delivery schedule
- II. The maximum deductible is capped at 10% of the total of the total contract value (excluding all taxes & duties and other charges).
- iii. In the event of LD exceeds 10% of the order value, WTL reserves the right to terminate the contract and WTL will get the job completed by any other competent party. The difference of cost incurred by WTL will be recovered from the contractor and PBG will be invoked.

## 18. LIABILITY

In case of a default on bidder's part or other liability, WTL shall be entitled to recover damages from the Contractor. In each such instance, regardless of the basis on which WTL is entitled to claim damages from the Contractor (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), Contractor shall be liable for no more than:

- Payment referred to in the Patents and Copyrights clause.
- Liability for bodily injury (including death) or damage to real property and tangible personal property limited to that cause by the Contractor's negligence.
- As to any other actual damage arising in any situation involving nonperformance by Contractor pursuant to or in any way related to the subject of this Agreement, the charge paid by WTL for the

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individual product or Service that is the subject of the Claim. However, the contractor shall not be liable for

- For any indirect, consequential loss or damage, lost profits, third party loss or damage to property or loss of or damage to data.
- For any direct loss or damage that exceeds the total payment for Contract Price made or expected to be made to the Contractor hereunder.

### 19. PATENTS & COPYRIGHT

If a third party claims that a product delivered by the Contractor to WTL infringes that party's patent or copyright, the Contractor shall defend WTL against that claim at Contractor's expense and pay all costs, damages, and attorney's fees that a court finally awards or that are included in a settlement approved by the Contractor, provided that WTL.

- Promptly notifies Contractor in writing of the claim
- Allows Contractor to control and co-operate with Contractor in the defense and any related settlement negotiations.

Remedies: If such a claim is made or appears likely to be made, WTL would permit Contractor to enable WTL to continue to use the product, or to modify it, or replace it with one that is at least functionally equivalent. If Contractor determines that none of these alternatives is reasonably available, WTL agrees to return the product to Contractor on Contractor's written request. Contractor will then give WTL a credit equal to for a machine. WTL's net book value (provided WTL has followed generally accepted accounting principles for a generally available software product produced by Contractor (Program) the amount paid by WTL or 12 months charges (whichever is lesser) and for materials the amount paid by WTL for the materials. These will be Contractor's entire obligation regarding any claim of infringement.

### 20. SUSPENSION OF WORK

WTL shall have the power at any time and from time to time by notice to the Contractor to delay or suspend the progress of the work or any part of the work due to any other adequate reasons and on receipt of such notice the contractor shall forthwith suspend further progress of the work until further notice from WTL. The Contractor shall recommence work immediately after receiving a notice to do so from WTL. The whole or any part of the time lost for such delay or suspension shall, if WTL in its absolute discretion thinks fit, but not otherwise, be added to the time allowed for completion.

### 21. TERMS OF PAYMENT

Payment terms will be on back-to-back basis, i.e., payment terms will follow the terms agreed with Customer and payment to Contractor will be made only on receipt of payment from customer. A tentative payment term is as depicted below:

- The payment to be made on following terms for all Capex Items
  - 10% as Mobilization Advance along with work order
  - 70% on Delivery of the item
  - 20% on Installation & Commissioning (Go-Live).
- For all Services components Payment Term will be as follows
  - 95% of the contract price for works against Monthly RA bill with GST at actual after submission of invoices in triplicate.
  - Remaining 5% with GST at actual subject to the limit as quoted for such items after completion of the contract.

### 22. GOVERNING LAWS

This contract should be governed by and interpreted by Arbitration clause in accordance with Laws in force in India. The courts at Kolkata shall have exclusive jurisdiction in all matters arising under the contract. The selected vendor shall keep himself fully informed of all current national, state and municipal law and ordinances. The selected vendor shall at their own expense, obtain all necessary permits and license and pay all fees and taxes required by law. These will be selected vendor's entire obligation regarding any claim of infringement. The selected vendor hereto agrees that it shall comply with all applicable union, state and local laws, ordinances, regulations and codes in performing its obligations hereunder, including the procurement of licenses, permits certificates and payment of taxes where required. The selected vendor shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code/practice of

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corporate policy applicable to it from time to time including records and returns as applicable under labor legislation.

## 23. CORRUPT OR FRAUDULENT PRACTICES

The Tender Committee requires that the bidders under this Tender observe the highest standards of ethics during the procurement and execution of such contracts. For this purpose, the definition of corrupt and fraudulent practices will follow the provisions of the relevant laws in force. The Tender Committee will reject a proposal for award if it detects that the bidder has engaged in corrupt or fraudulent practices in competing for the contract in question. The Tender Committee will declare a firm ineligible, either indefinitely or for a stated period of time, if it at any time determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

## 24. BINDING CLAUSE

All decisions taken by the Tender Committee regarding the processing of this tender and award of contract shall be final and binding on all parties concerned. The Tender Committee reserves the right:

- To vary, modify, revise, amend or change any of the terms and conditions mentioned above and,
- To reject any or all the Tender/s without assigning any reason whatsoever thereof or to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

## 25. WORKMEN'S COMPENSATION

In every case in which by virtue of the provision of the workmen's compensation Act 1923 or any other relevant acts and rules, compensation to a workman employed by the contractor, is payable, then this should be done by the Contractor. If WTL is obliged to make any compensation under the said rules and acts, then the amount shall be recovered without prejudice, from the bills and due of the Contractor. WTL shall not be bound to contest any claim made against the Contractor in respect of workmen's compensation.

## 26. CONTRACTOR'S EMPLOYEES

The Contractor shall comply with the provision of all labour legislation including the requirement of the payment of Wage Act 1936 and the rules framed there under and modifications thereof in respect of men employed by him in carrying out the contract. The Contractor must ensure that he complies with PF, ESI regulation for all his deployed employees. The Contractor shall see that all authorized Sub Contractors under him similarly complied with the above requirement.

## 27. SAFETY MEASURES

The Contractor shall in the course of execution of the work take all necessary precaution for the protection of all persons and property. The Contractor shall take adequate measures to protect the work and prevent accident during the work. In the event of any accident to any person or persons or damage or injury of any description to any person or property due to failure on the part of the contractor in taking proper precautionary measures the contractor shall be responsible for and must make good the loss the damage at his own cost to the satisfaction of the department and employees of the department shall be indemnified from all claims or liabilities arising there from or any expenses incurred on account thereof.

## 28. EQUIPMENT

All tools & tackles necessary for the work shall have to be procured by the contractor unless otherwise specified elsewhere in these tender documents. The equipment used by the contractor for a particular work must be appropriate for the type of work. The contractor shall maintain the equipment used on the work properly so that they are in good working condition. In no case shall the contractor use defective or imperfect equipment in the work. The contractor shall arrange to replace or repair all defective equipment so that the progress of the work is not hampered. No defective equipment should be left at the site of work and the department shall not be responsible for any loss or damage to any of these equipments during the course of the execution of the work.

## 29. SUB-CONTRACT

The purchaser (WTL) does not recognize the existence of Sub-Contractors. The Contractor's

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responsibility is not transferable. No consortium partner is allowed.

## 30. TERMINATION FOR DEFAULT

WTL may without prejudice to any other remedy or right of claim for breach of contract by giving not less than 30 days written notice of default sent to the contractor, terminate the order in whole or in part. If the contractor materially fails to render any or all the services within the time period specified in the contract or any extension thereof granted by WTL in writing and fails to remedy its failure within a period of thirty days after receipt of default notice from WTL. If the project (delivery, commissioning as well as warranty maintenance support is not carried out according to specification due to deficiency in service as per terms of the contract. In such case WTL will invoke the amount held back from the contractor as PBG.

## 31. BANKRUPTCY

If the contractor becomes bankrupt or have a receiving order made against him or compound with his creditors or being a corporation commence to be wound up, not being a voluntary winding up for the purpose only or amalgamation or reconstruction, or carry on their business under a receiver for the benefit of their creditors or any of them, WTL shall be at liberty to terminate the engagement forthwith without any notice in writing to the contractor or to the liquidator or receiver or to any person in whom the contractor may become vested and without any compensation to give such liquidator or receiver or other person the option of carrying out the engagement subject to their providing a guarantee for the due and faithful performance of the engagement up to an amount to be determined by WTL.

## 32. FORCE MAJEURE

It is hereby defined as any cause, which is beyond the control of the Contractor or WTL as the case may be, which such party could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as

- War, Hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war.
- Rebellion, revolution, insurrection, mutiny, usurpation of civil or military, government, conspiracy, riot, civil commotion and terrorist area.
- Confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de facto authority or ruler, or any other act or failure to act of any local state or national government authority.
- Strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public **transportation** and communication, industrial dispute, shipwreck, shortage of power supply epidemics, quarantine and plague.
- Earthquake, landslide, volcanic activity, fire flood or inundation, tidal wave, typhoon or cyclone, hurricane, nuclear and pressure waves or other natural or physical disaster.

If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fourteen days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed.

The party or parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upto its or their performance of the Contract and to fulfill its or their obligation under the Contract but without prejudice to either party's right to terminate the Contract.

No delay or nonperformance by either party to this Contract caused by the occurrence of any event of Force Majeure shall.

- Constitute a default or breach of the contract.
- Give rise to any claim fro damages or additional cost or expense occurred by the delay or nonperformance. If, and to the extent, that such delay or nonperformance is caused by the occurrence of an event of Force Majeure.

## 33. INSURANCE COVERAGE

Appropriate insurance to cover all solution components for the transit period and until the time of its acceptance at the respective site is to be taken by the contractor. As the contractor will carry the risk

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for the material in his books during transit, the contractor should arrange insurance for the total system as period from the dispatch till Acceptance Test is successfully achieved. Further the contractor is to take all required insurance coverage in respect of all its personnel who shall be working on this engagement.

### **34. WARRANTY & MAINTENANCE**

- Camera and Display
  - Warranty of 5 years for repair or replacement of the Cameras. This five years free service does not include natural calamities or man caused issues.
  - Warranty of 1 year for repair or replacement of the Display.
- Networking/LAN lines, hardware
  - 1-year free maintenance, material cost to be borne by DVC, unless quality defect.
- Wires/cables
  - 1 (One) year blanket repair/replace on all hardware except LAN wires and display screens. In case of broken wires, screens free maintenance up to one year, with cost of infrastructure (wire/cables/screens) to DVC
- Poles, Mounts, fixtures
  - 5 years repair replacement except in case of natural disaster or intentional damage, as these pole locations shall be away from coal lines, and reclaimers; shouldn't be damaged unless deliberate.
- Software/ Mobile Apps/APIs
  - 1-year free maintenance on any bug in the software if not working properly. Maintenance charge will be extra after one year.
- The Contractor will be liable for repairing all or any sort of damage detected during the warranty period completed free of cost.
- During the warranty period no active component should be declared "End of Life". In case it is declared "End of Life" during this period, the vendor has to replace such equipment at their own cost. A letter of Confirmation by OEM shall be mandatory. The rate should be quoted inclusive of warranty.
- Separate SLA will be signed with the vendor for warranty & support after supply of the equipment's.
- One telephonic line (Non-Toll Free) under the AMC & Technical Support scheme, should be available with a support window on DVC business days from 10:00 hrs to 18:00 hrs to resolve any technical issue about the device both during installation as well as service support. There shall be an email system as well, to handle, identify and resolve open tickets.
- In case of system failures: immediate telephonic support to ground DVC technicians as well site visit within 48 hours of call, if the need be.
- The obligation under the AMC agreement excludes
  - Any type of upgrading of the application.
  - Any additional feature or API integration.
  - Fire damage caused by non-manufacturing factors
  - Damage caused due to uncontrollable forces of nature / Natural Disasters
  - Damage caused by unauthorized modification, disassembly, or opening not in accordance with user manuals
  - Damage caused by unauthorized modification of circuits and mismatch or misuse of the battery and charger.
  - AMC will not cover battery.
  - Any type of upgrading of the device.
  - Any major failure of due to an erratic power supply or faulty line condition.
  - Any work external to the devices, such as attachment, accessories etc.
  - Repair of malfunction or damage due to failure due to use of non-standard electrical power, air-conditioning or parts.

### **35. PERFORMANCE BANK GUARANTEE (PBG)**

As a guarantee for timely delivery, installation and commissioning of equipment, software and services as well as performance of on-site warranty support from the date of final acceptance of systems and pertaining to proper running of the systems, the bidder will have to submit 10% of the contract value as security in the form of Performance Bank Guarantee from any nationalized bank as per format enclosed (Section – O).

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## 36. SI/BIDDER/CONTRACTOR'S RESPONSIBILITIES

Refer Section – A & B

## 37. NO WAIVER OF RIGHTS

Neither the inspection by WTL or any of their agents nor any order by WTL for payment of money or any payment for or acceptance of the whole or any part of the works by WTL, nor any extension of time, nor any possession taken by WTL shall operate as a waiver of any provision of the contract or of any power reserved to WTL, or any right to damages here in provided, nor shall any waiver of any breach in the contract be held to be a waiver of any other subsequent breach.

## 38. ENFORCEMENT OF TERMS

The failure of either party to enforce at any time any of the provision of this contract or any rights in respect thereto or to exercise any option here in provided shall in no way be construed to be a waiver to such provisions, rights or options or in any way to affect the validity of the contract. The exercise by either party of any of its rights herein shall not preclude or prejudice either party from exercising the same or any other right it may have hereunder.

## 39. PERIOD OF VALIDITY OF OFFER

For the purpose of placing the order, the proposals shall remain valid till 180 days. During the period of validity of proposals, the rates quoted shall not change. In exceptional circumstances, WTL may ask for extension of the period of validity and such a request shall be binding on Bidders. WTL's request and the response to such a request by various Bidders shall be in writing. A Bidder agreeing to such an extension will not be permitted to increase its rates.

## 40. TAXES & DUTIES

- The prices shall be inclusive of all taxes & levies including GST and other statutory duties as applicable. Rate of taxes should be indicated separately in the Price Bid.
- Contract Price specified in Price Bid should be based on the taxes & duties and charges prevailing at the date one day prior to the last date of Bid submission.
- Statutory deduction, wherever applicable, shall be made from invoice as per government rules. Necessary certificate will be issued for such deductions.
- Bidder submitting a bid shall produce valid statutory documents / certificates with respect to GST, Income Tax, ROC, Prof. Tax, Trade License, etc. All such documents / certificates shall remain valid on the last date of tender submission.
- In case of inter-state transaction, WTL will provide "Waybill". However, statutory charges, if any will be borne by the bidder.
- GST component of the invoice of the bidder may be kept on hold in case there ia any mismatch / irregularity in GST return filling on the part of the bidder.

## 41. DISCREPANCIES IN BID

- Discrepancy between description in words and figures, the rate which corresponds to the words quoted by the bidder shall be taken as correct.
- Discrepancy in the amount quoted by the bidder due to calculation mistake of the unit rate then the unit rate shall be regarded as firm.
- Discrepancy in totaling or carry forward in the amount quoted by the bidder shall be corrected.

## 42. BID DUE DATE

The tender shall be submitted not later than the due date and time specified in the Important Dates Sheet. WTL may as its discretion on giving reasonable notice by fax, or any other written communication to all prospective bidders who have been issued the bid documents, extend the bid due date, in which case all rights and obligations of the WTL and the bidders, previously subject to the bid due date, shall thereafter be subject to the new bid due date as extended.

## 43. LATE BID

Any proposal received after the deadline for submission of proposals may not be accepted.

## 44. OPENING OF BID BY WTL

Bids shall be opened and downloaded electronically through operation of the process in the e-

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Tender portal in presence of Tender Committee. Bidders interested to remain present during electronic bid opening may attend the bid opening session at WTL premises at scheduled date & time.

## 45. CONTACTING WTL

Bidder shall not approach WTL officers beyond office hours and/or outside WTL office premises from the time of the Bid opening to the time of finalization of successful bidder. Any effort by bidder to influence WTL office in the decision on Bid evaluation, Bid comparison or finalization may result in rejection of the Bidder's offer. If the bidder wishes to bring additional information to the notice of WTL, it should be in writing.

## 46. WTL'S RIGHT TO REJECT ANY OR ALL BIDS

WTL reserves the right to reject any bid and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

## 47. BID CURRENCIES

Prices shall be quoted in Indian Rupees, inclusive of all prevailing taxes, levies, duties, cess etc.

## 48. PRICE

- Price should be quoted in the BOQ format only. No deviation is acceptable.
- Price quoted should be firm, inclusive of packing, forwarding, insurance and freight charges.
- Percentage/specified amount of taxes & duties should be clearly mentioned otherwise WTL reserves the right to reject such vague offer.
- Price to be quoted inclusive of supply, installation & commissioning charges.

## 49. CANVASSING

Canvassing or support in any form for the acceptance of any tender is strictly prohibited. Any bidder doing so will render him liable to penalties, which may include removal of this name from the register of approved Contractors.

## 50. NON-TRANSFERABILITY OF TENDER

This tender document is not transferable.

## 51. FORMATS AND SIGNING OF BID

The original and all copies of the proposals shall be neatly typed and shall be signed by an authorized signatory(ies) on behalf of the Bidder. The authorization shall be provided by written Power of Attorney accompanying the proposal. All pages of the proposal, except for un-amended printed literature, shall be initialed by the person or persons signing the proposal. The proposal shall contain no interlineations, erase or overwriting. In order to correct errors made by the Bidder, all corrections shall be done & initialed with date by the authorized signatory after striking out the original words/figures completely.

## 52. WITHDRAWAL OF BID

Bid cannot be withdrawn during the interval between their submission and expiry of Bid's validity period. Fresh Bid may be called from eligible bidders for any additional item(s) of work not mentioned herein, if so required.

## 53. INTERPRETATION OF DOCUMENTS

If any bidder should find discrepancies or omission in the specifications or other tender documents, or if he should be in doubt as to the true meaning of any part thereof, he shall make a written request to the tender inviting authority for correction/clarification or interpretation or can put in a separate sheet along with his technical bid document.

## 54. SPLITTING OF THE CONTRACT AND CURTAILMENT OF WORK

WTL reserves the right to split up and distribute the work among the successful technically qualified bidders and to curtail any item of work in the schedule partly or fully based on scheme requirement. As it is a time constrained process, the work may be distributed as mentioned above at L1 rate arrived through the process.

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## 55. PREPARATION OF TENDER

Tender shall be submitted in accordance with the following instructions:

- a) Tenders shall be submitted in the prescribed forms. Digital signatures shall be used. Where there is conflict between the words and the figures, the words shall govern.
- b) All notations must be in ink or type written. No erasing or overwriting will be permitted. Mistakes may be crossed out and corrections typed or written with ink adjacent thereto and must be initialed in ink by the person or persons signing the tender.
- c) Tenders shall not contain any recapitulation of the work to be done. Alternative proposals will not be considered unless called for. No written, oral, telegraphic or telephonic proposals for modifications will be acceptable.
- d) Tenders shall be uploaded as notified on or before the date and time set for the opening of tenders in the Notice Inviting Tenders.
- e) Tenders subject to any conditions or stipulations imposed by the bidder are liable to be rejected.
- f) Each and every page of the tender document must be signed with company seal by the bidder.

## 56. CLARIFICATION OF BIDS

During evaluation of the bids, the Customer/Tender Committee, at its discretion may ask the bidder for clarification of its bid. The request for the clarification and the response shall be in writing (fax/email) and no change in the substance of the bid shall seek offered or permitted.

## 57. COMPLIANCE WITH LAW

The contractor hereto agrees that it shall comply with all applicable union, state and local laws, ordinances, regulations and codes in performing its obligations hereunder, including the procurement of licenses, permits certificates and payment of taxes where required.

The contractor shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code/practice of corporate policy applicable to it from time to time including records and returns as applicable under labor legislation.

## 58. ERASURES OR ALTERNATIONS

The offers with overwriting and erasures may make the tender liable for rejection if each of such overwriting/erasures/manuscript ions is not only signed by the authorized signatory of the bidder. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as "OK", "accepted", "noted", "as given in brochure/manual" is not acceptable. The Customer may treat offers not adhering to these guidelines as unacceptable. The Customer may, at its discretion, waive any minor non-conformity or any minor irregularity in the offer. This shall be binding on all bidders and the Tender Committee reserves the right for such waivers.

## 59. FINAL INSPECTION

Final inspection may be carried by the authorized representative from WTL.

## 60. PRE-DISPATCH INSTRUCTION

All materials / equipment's supplied against the purchase order may be subjected to Inspection, check and /or test by the authorized representative from WTL.

## 61. SITE INSPECTION

Bidder can inspect (at their own cost) the sites if required, for which they have to take necessary permission from WTL in writing. WTL will take at least four days to organize such permission.

## 62. QUALITY CONTROL

- The contractor is obliged to work closely with WTL act within its authority and abide by directive issued by them on implementation activities.
- The contractor will abide by the safety measures and free WTL from all demands or responsibilities arising from accident/loss of life, the cause of which is due to their

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negligence. The bidder will pay all indemnities arising from such incidents and will not hold WTL responsible.

- The contractor will treat as confidential all data and information about the system, obtained in the execution of its responsibilities in strict confidence and will not reveal such information to any party without the prior written approval of WTL.
- WTL reserves the right to inspect all phases of contractor's operation to ensure conformity to the specifications. WTL shall have engineers, inspectors or other duly authorized representatives made known to the contractor, present during the progress of the work and such representatives shall have free access to the work at all times. The presence or absence of representatives of WTL does not relieve the contractor of the responsibility for quality control in all phases.
- The Court of Kolkata only will have the jurisdiction to deal with and decide any legal matters or dispute whatsoever arising out of the contract.

### 63. SERVICE LEVEL AGREEMENT

#### Purpose

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the Contractor to the Client for duration of the project.

The benefits of these SLAs are to:

1. Trigger a process that applies to the Contractor's management attention to some aspect of performance when that aspect drops below an agreed upon threshold, or target.
2. Makes explicit the expectations that the Client has for performance
3. Helps the Client control the levels and performance of Contractor's service

**The final SLAs will be back to back between DVC-WTL and WTL-Contractor.**

**Following are indicate SLAs**

#	SLA Parameter	Turnaround Time for Support	Target Uptime / year (24*7 throughout a year)
1	Availability of Cameras and associated Infrastructure supplied by Contractor	48 Hrs. / 2 working Days	85.00%
2	Availability of the Software supplied by Contractor	24 Hrs. / 1 working Day	99.00%

#### Definitions:

- **"Availability"** shall mean the time for which the Cameras, other components and Software are available for conducting operations. This will exclude the planned downtime agreed with customer.
- **Days:** All working and Non-working days in a Calendar year
- **"24\*7"** means 24 hours per day applicable for all seven days of a week (inclusive of all working and non-working days).
- **Non-working days: Saturday, Sunday and Public Holidays declared by the Management Categorization**

#### A. SLA during implementation:

1. **On Time Delivery:** This SLA shall be used to evaluate the timelines for completion of deliverables, i.e., supply and installation of equipments and implementation of the software as per scope of the work defined for the project. For delay of every week in completion & submission of the deliverable mentioned, the Contractor would be charged with penalty of 0.5% per month on balance work with maximum of 10% of total contract value.

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## **B. SLA during support:**

The support performance shall be calculated for a quarterly/half yearly basis, based on all equipment supplied, software implemented and based on the calls logged and the resolution of the calls for support. WTL reserves the right to impose penalty on the bidder in case the support SLA performance is lower than the target

1. Availability: SLA penalty calculation for Availability will be as follows:
  - Availability of the Equipment and the Software as per Target (85.00%): No Penalty
  - Availability of the Equipment and the Software lower than target - For every 3% dip in the Availability 0.5% of the contract value with maximum of 10% of total contract value.
  
2. Turnaround Time: SLA penalty calculation for Turnaround time for repair/replacement, as shown below:
  - Resolution of complaint for equipments and software within turnaround time – no penalty
  - Resolution of complaint for camera, active and passive components beyond target turnaround time for support:
    - Rs. 1000/- per day, after the allowed turnaround time for support
    - The total amount of penalty for the entire project period should not exceed 3% of the billable amount. Otherwise PBG will be forfeited.

**The SLA for service support in compliance to the minimum SLA required must be submitted by the L1 bidder on placement of order. WTL reserves the right to change/modify the SLAs during the finalization of the contractual agreement with the successful bidder.**

## **64. GENERAL TERMS**

- a) All the documents to be submitted by the bidder along with their offer should be duly authenticated by the person signing the offer and if at any point of time during procurement process or subsequently it is detected that documents submitted are forged/tampered/manipulated in any way, the total responsibility lies with the bidder and WTL reserves the full right to take action as may be deemed fit including rejection of the offer and such case is to be kept recorded for any future dealing with them.
  
- b) No Technical/Commercial clarification will be entertained after opening of the tender.
  
- c) Quantity mentioned in the tender document is indicative only and orders shall be placed subject to actual requirement. WTL reserve the right to increase or decrease the quantity specified in the tender.
  
- d) WTL reserve the right to reject or accept or withdraw the tender in full or part as the case may be without assigning the reasons thereof. No dispute of any kind can be raised the right of buyer in any court of law or elsewhere.
  
- e) WTL reserve the right to ask for clarification in the bid documents submitted by the bidder. Documents may be taken if decided by the committee.
  
- f) Supporting technical brochures/catalogues indicating each feature in respect of offered model and make must be submitted along with the offer, in absence of which the offer is liable to be ignored.
  
- g) No dispute by the bidders in regard to Technical/Commercial points will be entertained by WTL and decision taken by the Tender Committee will be final.
  
- h) Discrepancy in the amount quoted by the bidder due to calculation mistake, the unit rate shall be regarded as firm and the totaling or carry in the amount quoted by the bidder shall be corrected accordingly.

## WEBEL TECHNOLOGY LIMITED

- i) The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.
- j) The acceptance of the tender will rest with the accepting authority who is not bound to accept the lowest or any tender and reserves the right to reject in part or in full any or all tender(s) received and to split up the work among participants without assigning any reason thereof.
- k) The customer/WTL at its discretion may extend the deadline for the submission of Bids.
- l) The Court of Kolkata only will have the jurisdiction to deal with and decide any legal matters or dispute whatsoever arising out of the contract.

**m) Below mentioned clauses are applicable for all OEM / Products & Bidders:**

Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority [DPIIT OM No.6/18/2019- PPD dated 23.07.2020].

- i. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
  - ii. "Bidder from a country which shares a land border with India" for the purpose of above- mentioned Order means:
- n) The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

# **WEBEL TECHNOLOGY LIMITED**

## **SECTION – F**

### **BID FORM**

(Bidders are requested to furnish the Bid Form in the Format given in this section, filling the entire Blank and to be submitted on Letter Head in original)

**To**  
**Webel Technology Limited**  
**Plot – 5, Block – BP,**  
**Sector - V,**  
**Salt Lake City,**  
**Kolkata – 700091.**

**Sub: Creating a Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation**

Dear Sir,

1. We the undersigned bidder/(s), having read and examined in details the specifications and other documents of the subject tender no. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025, do hereby propose to execute the job as per specification as set forth in your Bid documents.
2. The prices of all items stated in the bid are firm during the entire period of job irrespective of date of completion and not subject to any price adjusted as per in line with the bidding documents. All prices and other terms & conditions of this proposal are valid for a period of 180 (one hundred eighty) days from the date of opening of bid. We further declare that prices stated in our proposal are in accordance with your bidding.
3. We confirm that our bid prices include all other taxes and duties and levies applicable on bought out components, materials, equipments and other items and confirm that any such taxes, duties and levies additionally payable shall be to our account.
4. Earnest Money Deposit & Tender fee: We have transferred EMD & Tender Fee amount online through e-Tender portal.
5. We declare that items shall be executed strictly in accordance with the specifications and documents irrespective of whatever has been stated to the contrary anywhere else in our proposal. Further, we agree that additional conditions, deviations, if any, found in the proposal documents other than those stated in our deviation schedule, save that pertaining to any rebates offered shall not be given effect to.
6. If this proposal is accepted by you, we agree to provide services and complete the entire work, in accordance with schedule indicated in the proposal. We fully understand that the work completion schedule stipulated in the proposal is the essence of the job, if awarded.
7. We further agree that if our proposal is accepted, we shall provide a Performance Bank Guarantee of the value equivalent to ten percent (10%) of the Order value as stipulated in Financial Bid (BOQ).
8. We agree that WTL reserves the right to accept in full/part or reject any or all the bids received or split order within successful bidders without any explanation to bidders and his decision on the subject will be final and binding on Bidder.

Dated, this .....day of .....2025

Thanking you, we remain,

Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025

**WEBEL TECHNOLOGY LIMITED**

Yours faithfully

.....  
Signature

.....  
Name in full

.....  
Designation

**Signature & Authorized Verified by**

.....  
Signature

.....  
Name in full

.....  
Designation

.....  
Company Stamp

# WEBEL TECHNOLOGY LIMITED

## SECTION – G

### TECHNO COMMERCIAL EVALUATION & AWARDING OF CONTRACT

#### 1. EVALUATION PROCEDURE

- The Eligibility Criteria (Section - D) will be evaluated by Tender Committee and those qualify will be considered for further evaluation.
- The Tender Committee shall verify the Technical Specification (Technical Specification & Compliance Statement, Section – R) Deviation in specification shall not be allowed. Bidder qualified in Technical Specification shall be considered for further evaluation.
- The Tender Committee would evaluate the Techno Commercial Evaluation. In order to facilitate the evaluation, the marking scheme presented is an indication of the relative importance of the evaluation. Bidders securing a minimum of 75% marks in the Techno Commercial Evaluation for qualifying evaluation.
- Bidders after qualifying in Techno Commercial Evaluation will only be considers for Financial Bid Evaluation.

#### 2. EVALUATION CRITERIA

##### **Techno Commercial Evaluation**

The evaluation methodology would take into consideration both the Technical response as well as the financial response. During the evaluation process, the evaluation committee will assign each desirable/preferred feature a whole number score for the Techno Commercial Bid as defined in the table below

Sl. No.	Technical Evaluation Criteria	List of documents/	Points
1	<b>Turnover</b> The Bidder should have an average annual turnover of minimum Rs. 10.5 Crore over the last 3 financial years (FY 2021-22, 2022-23 & 2023-24) <b>Score</b> a. $\geq$ Rs 50 Cr: <b>15 Marks</b> b. $\geq$ Rs 30 Cr and $<$ Rs 50 Cr: <b>10 Marks</b> c. $\geq$ Rs 10.5 Cr and $<$ Rs 30 Cr: <b>5 Marks</b>	Audited Balance Sheets (Profit/Loss account)	<b>15</b>
2	<b>Experience delivering project with project value</b>  In the last 4 financial years (FY 2020-2021, 2021-22, 2022-23, 2023-24) and the current financial year, the Bidder/OEM have –  <u>Case 1</u> Completed 2 or more Similar Projects, with project cost of each project not less than Rs. 5 Cr.  OR  <u>Case 2</u> Completed/Ongoing minimum 1 Similar project with project cost of each project not less than Rs. 10 Cr.  Similar project means: Solution Design, Equipment Supply Implementation, Testing and Commissioning project of IT based real time monitoring work with aspect of Temperature Monitoring for any Government Department/PSU/Autonomous Govt. Body.  <b>Score</b> <b>For projects showcased under case 1 OR case 2: 20 Marks</b>	Work Order and completion certificate	<b>20</b>

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Sl. No.	Technical Evaluation Criteria	List of documents/	Points
3	<p><b>Experience with Technology</b></p> <p>In last 5 years prior to bid due date, the Bidder/OEM have completed IT&amp;E related project(s) on Environmental Monitoring System for a Central Government / State Government / Urban Local Bodies / PSUs in India; and</p> <p>Also the Bidder has an IT platform (both Web Portal and Mobile App) which has been deployed for the same customer with capacity to handle Sensor &amp; Telematics Devices with report engine, analytics engine, cloud connectivity and related device management.</p> <p><b>Score</b>  <b>≥ 10K Sensors: 10 Marks</b>  <b>≥ 5K Sensors and &lt; 10K Sensors: 5Marks</b></p>	Work Order and completion certificate	10
4	<p><b>Experience delivering project involving quantum of sites</b></p> <p>The Bidder/OEM has the quantum of site installed in a single order or maximum of 2 orders of a Similar project</p> <p><b>≥ 200 units 20 Marks</b>  <b>≥ 150 units and &lt; 200 15 Marks</b>  <b>≥ 100 units and &lt; 150 units 10 Marks</b></p> <p>Completion Certificate or Payment Proof to be provided.            Similar project means: Solution Design, Equipment Supply Implementation, Testing and Commissioning project of IT based real time monitoring work with aspect of Temperature Monitoring for any Government Department/PSU/Autonomous Govt. Body.</p>	Work Order and completion certificate	20
5	<p><b>Experience delivering project involving AI &amp; ML</b></p> <p>Completed at least one project on ML Predictive Alert Systems for any Industry (e.g. Temperature, Transformers, etc)            ML Models to predict risks in future.</p> <p><b>Score</b>  <b>For projects showcased: 5 Marks</b></p>	Work Order and completion certificate	5
6	<p><b>Human Resource</b></p> <p><b>Score</b></p> <p><b>1. Subject Matter Expert (Minimum 1) 5 Marks</b>            Qualification            - Desired: Post Graduate Degree.            - Essential: Bachelor's Degree in Engineering or equivalent            Skills            - Strong managerial, interpersonal and communication skills            Experience            - Overall experience in the relevant field of Engineering (ITES/Computer applications/ Control &amp; Instrumentation).            - Mandatory Experience working in Coal Sector for at least 10 Years            - At least five (03) years of work experience in the field of yard management, coal yard temperature mapping</p> <p><b>2. Technical Associate (Minimum 5) 5 Marks</b>            Qualification            - Essential: Bachelor's Degree in Engineering or equivalent            Experience            - Minimum five (05) years of relevant work experience.</p>	Self-attested CV alongwith Qualification Certificate and Experience Certificate	10

## WEBEL TECHNOLOGY LIMITED

Sl. No.	Technical Evaluation Criteria	List of documents/	Points
7	<p><b>Proposed Solution</b></p> <p>Presentation on Proposed Solution and Delivery Methodology to be given by the proposed team of the bidder to the tender evaluation committee. The presentation to cover:</p> <p>a. Understanding on the objective and aspirations of the project <b>4 Marks</b></p> <p>b. Specific, practical and innovative solution <b>4 Marks</b></p> <p>c. Detailed methodology with integration strategy and monitoring mechanisms with the Camera system in coal yard. <b>4 Marks</b></p> <p>d. Strong team, technical depth and specialisation capabilities of the vendor. <b>4 Marks</b></p> <p>e. Performance of similar nature of work in any other firm and successfully delivered project. <b>4 Marks</b></p>	Presentation	20
	<b>TOTAL</b>		<b>100</b>

All claims to be supported by relevant documents / certificates. Onus of substantiating claims lies with the bidder.

**Passing Marks: 75**

### 3. FINAL EVALUATION

Financial Proposal of the bidders qualifying in the evaluation of Techno Commercial will be evaluated. The bidder who has qualified in the Techno Commercial and returns with lowest quote (L1) in Financial Bid will normally be awarded the contract subject to Post Qualification.

### 4. AWARDING OF CONTRACT

An affirmative Post Qualification determination will be prerequisite for award of the contract to the most overall responsive bidder for this project. Bidders, if disqualified in the technical evaluation, it will result in rejection of bidder's bid. Technically qualified bidders shall be evaluated for price bid. The lowest bidder shall be determined through price bid evaluation. WTL will award the contract to the successful bidder whose bid has been determined to be substantially responsive after final negotiation may held with the most responsive bidder (L1), if required.

- Bidders must submit price bid for this project. Any non-compliance to the price bid shall lead to rejection.
- L1 Bidders shall be awarded the contract for this project.

### 5. POST QUALIFICATION

The determination will evaluate the Bidder's financial, technical, design, integration, customization, production, management and support capabilities and will be based on an examination of the documentary evidence of the Bidder's qualification, as well as other information WTL deems necessary and appropriate. This determination may include visits or interviews with the Bidder's client's reference in its bid, site inspection, and any other measures.

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## SECTION – H

### GUIDANCE FOR E-TENDERING

Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the Bidders to participate in e-Tendering.

1. **Registration of Bidder:**

Any Bidder willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System through logging on to <https://wbtenders.gov.in>. The Bidder is to click on the link for e-Tendering site as given on the web portal.

2. **Digital Signature Certificate (DSC):**

Each Bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated above. DSC is given as a USB e-Token.

3. The Bidder can search & download N.I.T. & BOQ electronically from computer once he logs on to the website mentioned above using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4. **Participation in more than one work:**

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If, found to be applied severally in a single job all the applications will be rejected.

5. **Submission of Tenders:**

Tenders are to be submitted through online to the website stated above in two folders at a time, one in Techno Commercial Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats)

The proposal should contain scanned copies of the following in two covers (folders).

**Techno Commercial Cover:**

**Technical Document1**

1. Bid Form as per format (Section – F)
2. Other documents, if any

**Technical Document2**

1. N I T Declaration duly stamped & signed in bidder's letter head, (Section – P)
2. Other documents, if any

**Technical Compliance**

1. Detailed Technical Specification with required documents, Section – R
2. Manufacturer Authorization Form, Section – S
3. Detailed Make, Mode with required documents, Section – Q

**Financial Cover:**

BOQ (Bill of Quantity) will be downloaded and same will be uploaded with quoted rates. While uploading BOQ file name shall remain unchanged. Absence of this document shall lead to summary rejection of the bid.

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### **NON-STATUTARY COVER (MY SPACE) CONTAIN FOLLOWING DOCUMENT:**

**(In each folder, scanned copy will be uploaded with single file having multiple pages)**

<b>Sl. No.</b>	<b>Category Name</b>	<b>Sub Category Name</b>	<b>Sub Category Description</b>
A	CERTIFICATES	A1. CERTIFICATES	<ul style="list-style-type: none"> <li>• GST Registration Number</li> <li>• PAN</li> <li>• Document as per Section – D</li> </ul>
B	COMPANY DETAILS	B1. COMPANY DETAILS 1	<ul style="list-style-type: none"> <li>• Document as per Section – D</li> <li>• Other documents, if any</li> </ul>
		B2. COMPANY DETAILS 2	<ul style="list-style-type: none"> <li>• Company Profile (Not more than 3 pages)</li> <li>• ISO Certificate as per Section –D</li> </ul>
C	CREDENTIAL	CREDENTIAL 1	<ul style="list-style-type: none"> <li>• Order copies as per Section – D</li> </ul>
		CREDENTIAL 2	<ul style="list-style-type: none"> <li>• Product brochure</li> <li>• Other documents, if any</li> </ul>
D	DECLARATION	DECLARATION 1	<ul style="list-style-type: none"> <li>• Order details (Section – N)</li> <li>• Financial Capability of Bidder as per format (Section – K)</li> </ul>
		DECLARATION 2	<ul style="list-style-type: none"> <li>• Document as per Section – D</li> <li>• Other documents, if any</li> </ul>
		DECLARATION 3	<ul style="list-style-type: none"> <li>• Bidder's Details as per format (Section – L)</li> <li>• Service Centre Details as per format (Section – R)</li> </ul>
		DECLARATION 4	<ul style="list-style-type: none"> <li>• Details of Capability as per format (Section – J)</li> <li>• Checklist as per Section – T</li> </ul>
		DECLARATION 5	<ul style="list-style-type: none"> <li>• Other documents, if any</li> </ul>
F	FINANCIAL INFO	P/L & BALANCE SHEET 2021-2022	P/L & BALANCE SHEET 2021-2022
		P/L & BALANCE SHEET 2022-2023	P/L & BALANCE SHEET 2022-2023
		P/L & BALANCE SHEET 2023-2024	P/L & BALANCE SHEET 2023-2024

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## SECTION - I

### BILL OF MATERIAL

The bill of material (BOM), for doing the Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation are as shown below:

SN	Item Description	Unit	Qty.
1	AI Thermal Multi-Spectral Imaging Camera and accessories  Resolution: Minimum 640 × 480 pixels Temperature range: -20°C to 2000°C Accuracy: ±2°C or ±2% of reading Environmental Rating: IP67 for protection against dust and water ingress: [Resistance to high humidity levels (up to 95% non-condensing) Robust housing to withstand dust, industrial pollutants, and extreme weather conditions typical in Mejia, West Bengal (monsoons, summer heat)] Continuous operational capability (24/7) Connectivity: Ethernet (RJ45), compatible with network infrastructure or direct 4G/5G Modem Connected Frame Rate: Minimum 30 Hz Operating temperature: -20°C to +60°C	No.	2
2	Meity Approved Equivalent Cloud Infrastructure  With Firewall, Minimum 6 Cores & 16GB RAM & 900GB SSD Storage	No.	1
3	Modem  Industrial-grade network equipment with dual-WAN support or Dual WAN directly on 4G/5G Modem	No.	2
4	Industry Buzzer Sirens  The frequency range is 3,300Hz Operating Temperature ranges from – 20° C to +60°C Operating voltage ranges from 3V to 24V DC The sound pressure level is 85dBA or 10cm The supply current is below 15mA	No.	1
5	8 Port PoE unmanaged switch minimum 2 Port	No.	2
6	16-Port Gigabit fully managed Rack mount Switch	No.	2
7	CAT6 Ethernet Cable	Box	10
8	PVC Pipe and accessories	Mtr.	2000
9	2KVA Online UPS with 1 hr Backup	No.	1
10	15U Floor Mount Rack with all Accessories	No.	1
11	Display Panel  55-inch Indoor Dashboard Display smart panel with internet capability and 24*7 usage	No.	1
12	Installation and commissioning of Camera and accessories	Lumpsum	1
13	AI Software for Alert systems and temperature gradient to enable progressive types of alerts	No	2

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<b>SN</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>
14	Web Dashboard with emailing mechanism for Alerts and risk level 1-5	No	1
15	One expert [Engagement for Analytical and Advisory Support] General Shift 10 am – 7 pm (Job)	Manmonths	6

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## SECTION – I

### **DETAILS OF TECHNICAL CAPABILITY OF BIDDER**

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

Sl. No.	Project Name	Start Date	End Date / Status	Brief description of project & scope of work (Implementation, operation & maintenance)	Type of project	Approx value of the project	Contact details of the Customer

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

- a. Type of Project shall indicate the implementation of services (Networking Setup, System Integration).
- b. Scope of work shall indicate whether it is implementation, Operation or maintenance.
- c. Submit Customer Order Copy details of the order indicating the project value, customer contact details, project completion certificate, customer satisfaction certificate etc.

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## SECTION – K

### FINANCIAL CAPABILITY OF BIDDER

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

#### FINANCIAL INFORMATION

Sl. No.	Name of the Bidder	Turnover (Rs. / Crores)		
		2023-2024	2022-2023	2021-2022
1				

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

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## SECTION – L

### BIDDERS'S DETAILS

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

1	Name of the Firm	
2	Registered Office Address	
	Contact Number	
	Fax Number	
	E-mail	
3	Correspondence / Contact address	
	Name & Designation of Contact person	
	Address	
	Contact Number	
	Fax Number	
4	E-mail	
	Is the firm a registered company? If yes, submit documentary proof	
	Year and Place of the establishment of the company	
6	Former name of the company, if any	
7	Is the firm <ul style="list-style-type: none"><li>▪ a Government/ Public Sector Undertaking</li><li>▪ a propriety firms</li><li>▪ a partnership firm (if yes, give partnership deed)</li><li>▪ a limited company or limited corporation</li><li>▪ a member of a group of companies, (if yes, give name and address and description of other companies)</li><li>▪ a subsidiary of a large corporation (if yes give the name and address of the parent organization). If the company is subsidiary, state what involvement if any, will the parent company have in the project.</li></ul>	
8	Is the firm registered with Sales Tax department? If yes, submit valid GST Registration certificate.	
9	Is the firm registered for Service Tax with Central Excise Department (Service Tax Cell)? If yes, submit valid Service Tax registration certificate.	
10	Total number of employees. Attach the organizational chart showing the structure of the organization.	
11	Are you registered with any Government/ Department/ Public Sector Undertaking (if yes, give details)	
12	How many years has your organization been in business under your present name? What were your fields when you established your organization	
13	What type best describes your firm? (Purchaser reserves the right to verify the claims if necessary) <ul style="list-style-type: none"><li>▪ Manufacturer</li><li>▪ Supplier</li><li>▪ System Integrator</li><li>▪ Consultant</li><li>▪ Service Provider (Pl. specify details)</li><li>▪ Software Development</li><li>▪ Total Solution provider (Design, Supply, Integration, O&amp;M)</li><li>▪ IT Company</li></ul>	
14	Number of Offices in district headquarters in West Bengal	
15	Is your organization having ISO 9001:2015 certificates?	
16	List the major clients with whom your organization has	

## WEBEL TECHNOLOGY LIMITED

	been / is currently associated.	
17	Have you in any capacity not completed any work awarded to you? (If so, give the name of project and reason for not completing the work)	
18	Have you ever been denied tendering facilities by any Government / Department / Public sector Undertaking? (Give details)	

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_

# WEBEL TECHNOLOGY LIMITED

## SECTION – M

### PRE-BID MEETING QUERY

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

Name of the Bidder: \_\_\_\_\_

Queries

Sl. No.	Section No.	Clause No.	Page No.	Queries

**Note:** The filled form to be submitted in XLS and PDF Format. There is a cut off date for receiving of queries before Pre Bid Meeting. Queries received after the cutoff period will not be accepted. The Purchaser reserves the right to respond all queries over e-mail.

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_



# WEBEL TECHNOLOGY LIMITED

## SECTION - O

### PROFORMA FOR PERFORMANCE BANK GUARANTEE

(On non-judicial stamp paper of appropriate value to be purchased in the name of executing Bank)

#### PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT –CUM-PRFORMANCE GUARANTEE

Ref ..... Bank Guarantee no.....

Date.....

#### PROFORMA OF BG FOR SECURITY DEPOSIT

KNOW ALL MEN BY THESE PRESENTS that in consideration of WEBEL TECHNOLOGY LIMITED, a Government of West Bengal Undertaking incorporated under the Companies Act, 1956 having its Registered office at Plot - 5, Block BP, Sector V, Kolkata-700 091 (hereinafter called "The Purchaser") having agreed to accept from \_\_\_\_\_ (hereinafter called "The Contractor") Having its Head Office at \_\_\_\_\_, a Bank guarantee for Rs. \_\_\_\_\_ in lieu of Cash Security Deposit for the due fulfillment by the Contractor of the terms & conditions of the Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ issued by the Purchaser for \_\_\_\_\_ (hereinafter called "the said work order \_\_\_\_\_ dated \_\_\_\_\_)". We \_\_\_\_\_ (Name & detailed address of the branch) (hereinafter called "the Guarantor") do hereby undertake to indemnify and keep indemnified the Purchaser to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only against any loss or damage caused to or suffered by the Purchaser by reason of any breach by the Contractor of any of the terms and conditions contained in the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ of which breach the opinion of the Purchaser shall be final and conclusive.

(2) AND WE, \_\_\_\_\_ DO HEREBY Guarantee and undertake to pay forthwith on demand to the Purchaser such sum not exceeding the said sum of \_\_\_\_\_ Rupees \_\_\_\_\_) only as may be specified in such demand, in the event of the Contractor failing or neglecting to execute fully efficiently and satisfactorily the order for \_\_\_\_\_ Work Order no. , \_\_\_\_\_ dated \_\_\_\_\_

(3) WE \_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order as laid down in the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ including the warranty obligations and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ have been fully paid and its claims satisfied or is charged or till the Purchaser or its authorized representative certified that the terms and conditions of the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ have been fully and properly carried out by the said contractor and accordingly discharged the guarantee.

(4) We \_\_\_\_\_ the Guarantor undertake to extend the validity of Bank Guarantee at the request of the contractor for further period of periods from time to time beyond its present validity period failing which we shall pay the Purchaser the amount of Guarantee.

(5) The liability under the Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only and will expire on \_\_\_\_\_ and unless a claim in writing is presented to us or an action or suit to enforce the claim is filled against us within 6 months from \_\_\_\_\_ all your rights will be forfeited and we shall be relieved of and discharged from all our liabilities (thereinafter)

(6) The Guarantee herein contained shall not be determined or affected by liquidation or winding up or insolvency or closer of the Contractor.

(7) The executants has the power to issue this guarantee on behalf of Guarantor and holds full and valid power of Attorney granted in his favour by the Guarantor authorizing him to execute the Guarantee.

## WEBEL TECHNOLOGY LIMITED

(8) Notwithstanding anything contained herein above, our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only and our guarantee shall remain in force up to \_\_\_\_\_ and unless a demand or claim under the guarantee is made on us in writing on or before \_\_\_\_\_ all your rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

WE, \_\_\_\_\_ lastly undertake not to revoke this guarantee during the currency except with the previous consent of the Purchaser in writing. In witness whereof we \_\_\_\_\_ have set and subscribed our hand on this \_\_\_\_\_ day of \_\_\_\_\_.

SIGNED, SEALED AND DELIVERED

\_\_\_\_\_  
(Stamp of the executants)

WITNESS

1) \_\_\_\_\_

2) \_\_\_\_\_

(Name & address in full with Rubber Stamp)

# **WEBEL TECHNOLOGY LIMITED**

## **INSTRUCTIONS FOR FURNISHING BANK GUARANTEE**

1. Bank Guarantee (B.G.) for Advance payment, Mobilization Advance, B.G. for security Deposit-cum-Performance Guarantee, Earnest Money should be executed on the Non- Judicial Stamp paper of the applicable value and to be purchased in the name of the Bank.
2. The Executor (Bank authorities) may mention the Power of Attorney No. and date of execution in his/her favour with authorization to sign the documents. The Power of Attorney is to be witnessed by two persons mentioning their full name and address.
3. The B.G. should be executed by a Nationalised Bank/ Scheduled Commercial Bank preferably on a branch located in Kolkata. B.G. from Co-operative Bank / Rural Banks is not acceptable.
4. A Confirmation Letter of the concerned Bank must be furnished as a proof of genuineness of the Guarantee issued by them.
5. Any B.G. if executed on Non-Judicial Stamp paper after 6 (six) months of the purchase of such stamp shall be treated as non-valid.
6. Each page of the B.G. must bear signature and seal of the Bank and B.G. Number.
7. The content of the B.G. shall be strictly as Proforma prescribed by WTL in line with Purchase Order /LOI/ Work Order etc. and must contain all factual details.
8. Any correction, deletion etc. in the B.G. should be authenticated by the Bank Officials signing the B.G.
9. In case of extension of a Contract the validity of the B.G. must be extended accordingly.
10. B.G. must be furnished within the stipulated period as mentioned in Purchase Order / LOI / Work Order etc.
11. Issuing Bank / The Bidder are requested to mention the Purchase Order / Contract / Work Order reference along with the B.G. No. For making any future queries to WTL.

**WEBEL TECHNOLOGY LIMITED**

**SECTION – P**

**NIT DECLARATION FOR BIDDER**

(Bidders are requested to furnish the Format given in this section, filling the entire Blank and to be submitted on Bidder's Letter Head)

To  
**Webel Technology Limited**  
**Plot-5, Block-BP, Sector-V,**  
**Salt Lake City,**  
**Kolkata-700091.**

**Sub: Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation**

Dear Sir,

We the undersigned bidder/(s) declare that we have read and examined in details the specifications and other documents of the subject Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025 for performing a Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation published by Webel Technology Limited in e-Tender website.

We further declare that we have agreed and accepted all the clauses / sub-clauses / formats / terms & conditions other requirements related to the said tender and we will abide by the same as mentioned in the tender document while participating and executing the said tender.

Thanking you, we remain

Yours faithfully

.....  
Signature

.....  
Name in full

.....  
Designation

.....  
Company Stamp

Dated, this.....day of.....2025

# WEBEL TECHNOLOGY LIMITED

## SECTION – Q

### MAKE, MODEL & PART NUMBER DECLARATION

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

Proof of Concept of Coal Heap Temperature Monitoring & Early Alert System for Mejia Thermal Power Plant of Damodar Valley Corporation

<b>S N</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty</b>	<b>Make</b>	<b>Model</b>	<b>Part No</b>
1	AI Thermal Multi-Spectral Imaging Camera and accessories	No.	2			
2	Meity Approved Equivalent Cloud Infrastructure	No.	1			
3	Modem	No.	2			
4	Industry Buzzer Sirens	No.	1			
5	8 Port PoE unmanaged switch minimum 2 Port	No.	2			
6	16-Port Gigabit fully managed Rack mount Switch	No.	2			
7	CAT6 Ethernet Cable	Box	10			
8	PVC Pipe and Accessories	Mtr.	2000			
9	2KVA Online UPS with 1 hr Backup	No.	1			
10	15U Floor Standing Rack with all Accessories	No.	1			
11	Display Panel	No	1			

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Company Rubber Stamp: \_\_\_\_\_

# WEBEL TECHNOLOGY LIMITED

## SECTION – R

### TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

(Tender No. WTL/DVC/TASPOC/25-26/016 dated 30.07.2025)

SI#	Product Name	Specification	Compliance (YES/NO)
1	AI Thermal Multi-Spectral Imaging Camera and accessories	Resolution: Minimum 640 × 480 pixels	
		Frame Rate: Minimum 30 Hz	
		Temperature range: - 20°C to 2000°C	
		Accuracy: ±2°C or ±2% of reading	
		Environmental Rating: IP67 for protection against dust and water ingress: [Resistance to high humidity levels (up to 95% non-condensing)]	
		Operating temperature: -20°C to +60°C	
		Robust housing to withstand dust, industrial pollutants, and extreme weather conditions typical in Mejia, West Bengal (monsoons, summer heat)]	
		Continuous operational capability (24/7)	
		AI Capability on Smart Surface Temp Heap Point Detection System	
		In-built Alert & On-edge Processing with at least 4 Channels	
		Data refresh frequency to be less than 2 seconds	
		Over the Air Firmware Update & Configurable	
		On the edge processing with minimum 4 core, 1.6 Ghz, 4 GB RAM & 1 GB Graphic processing & 32GB eSSD - Linux or better	
		Connectivity: Ethernet (RJ45), compatible with network infrastructure or direct 4G/5G Modem Connected	
2	Meity Approved Equivalent Cloud Infrastructure	Minimum 6 Cores & 16GB RAM & 900GB SSD Storage with Firewall, High I/O for a duration of minimum 12 months post Go-Live	
3	Modem	Industrial-grade network equipment with dual-WAN support or Dual WAN directly on 4G/5G Modem	
		Mobile Module: 4G/5G – Cat 4 up to 75 DL/50 UL Mbps, 3G – up to 42 DL/5.76 UL Mbps, 2G – up to 236.8 kbps DL/UL	
		Power Connector: Waterproof MOLEX	
		Input Voltage Range: 12V to 36V	
		Power Consumption: Idle: 0.9 W, Max: 3.2 W	
		Status LEDs: 1 x Power LED, 1 x Network LED, 1 x Mobile LED	
		SIM: 2 x SIM slot (Mini SIM – 2FF)	
		Antennas: 1 x External Weather proof	
		Casing Material: Aluminium housing	
	Mounting Options: DIN rail, wall mount, flat surface (requires additional kit)		

## WEBEL TECHNOLOGY LIMITED

Sl#	Product Name	Specification	Compliance (YES/NO)
		Operating Temperature: -40 °C to 75 °C	
		Operating Humidity: 10% to 90% non-condensing	
		Ingress Protection Rating: IP65	
		Subscription of unlimited data Connectivity from 2 different Service providers on fallback mechanism for 12 months post Go-Live	
4	Industry Buzzer Sirens	The frequency range is 3,300Hz	
		Operating Temperature ranges from – 20° C to +60°C	
		Operating voltage ranges from 3V to 24V DC	
		The sound pressure level is 85dBA or 10cm	
		The supply current is below 15mA	
5	8 Port PoE unmanaged switch minimum 2 Port	8x Gigabit Ethernet ports (4x PoE+ ports)	
		60W power budget	
		16 Gbps switching fabric capacity	
		Plug & play simplicity for easy installation	
6	16-Port Gigabit fully managed Rack mount Switch	DGS-1210/ME Series	
		Wide range of port configurations	
		Advanced layer 2 features with static route and IP interface support	
		PoE options up to 370W power budget	
		Easy management with web UI	
		Available in PoE and non-PoE variations	
7	CAT6 Ethernet Cable	Connector Type RJ45	
		Cable Type Ethernet	
		Compatible Devices Router	
		Other Special Features of the Product High Speed	
		Ethernet Cable Category Cat 6	
		Connector Gender Male-to-Female	
		Data Transfer Rate 10 Gigabytes Per Second	
Connectivity Technology Ethernet			
8	PVC Pipe and accessories	-	
9	2KVA Online UPS with 1 hr Backup	Output Voltage 200-240 V AC	
		Digital Display Yes	
		SMF	
		Frequency: 50 HZ	
		Phase Single Phase	
		Type of Product :Online UPS	
		Usage/Application Industrial	
		Capacity 2 KVA / 1.6 KW	
		Model No 2 KVA GXT MT +CX 2 LB UPS-EMERSON	
		Protection Overvoltage, OverCurrent, Overload,	

## WEBEL TECHNOLOGY LIMITED

Sl#	Product Name	Specification	Compliance (YES/NO)
		ShortCircuit	
		Name of Manufacturer/Packer/Importer Vertiv	
		Battery Voltage 72 VDC	
10	15U Floor Standing Rack with all Accessories	Rack 15U 600W 1000 MMD Black Assembled (Rack with front and rear vented door - 1 Set, Castor set of 4, Earthing kit, Panel Mount Hardware Kit)	
11	Display Panel	55-inch Indoor Dashboard Display smart panel	
		Internet capability	
		24X7 usage	

Authorized Signatory (Signature In full): \_\_\_\_\_

Name and title of Signatory: \_\_\_\_\_

Stamp of the Company: \_\_\_\_\_

**WEBEL TECHNOLOGY LIMITED**

**SECTION – S**

**MANUFACTURER'S AUTHORIZATION FORM**

Date:

**To**  
**Webel Technology limited**  
**Plot-5, Block-BP, Sector-V**  
**Salt Lake**  
**Kolkata-700 091**

Ref: Tender No.: WTL/DVC/TASPOC/25-26/016 dated 30.07.2025

WHEREAS \_\_\_\_\_ who are official producers of \_\_\_\_\_ and having production facilities at \_\_\_\_\_ do hereby authorize \_\_\_\_\_ located at \_\_\_\_\_ (hereinafter, the "Bidder") to submit a bid of the following Products produced by us, for the Supply Requirements associated with the above Invitation for Bids.

When resold by \_\_\_\_\_, these products are subject to our applicable standard end user warranty terms.

We assure you that in the event of \_\_\_\_\_, not being able to fulfill its obligation as our Service Provider in respect of our standard Warranty Terms we would continue to meet our Warranty Terms through alternate arrangements.

We also confirm that \_\_\_\_\_ is our authorized service provider/system integrator and can hence provide maintenance and upgrade support for our products.

We also confirm that the products quoted are on our current product list and are not likely to be discontinued within from the day of this letter. We assure availability of spares for the products for the next two years after warranty period.

We also confirm that the material will be delivered within 30(thirty) days from the date of placement of confirmed order.

Name \_\_\_\_\_ In the capacity of \_\_\_\_\_

Signed \_\_\_\_\_

Duly authorized to sign the authorization for and on behalf of \_\_\_\_\_

Dated on \_\_\_\_\_ day of \_\_\_\_\_ 2025

**Note:** This letter of authority must be on the letterhead of the Manufacturer and duly signed by an authorized signatory.