



OFFICE OF THE CHIEF EXECUTIVE OFFICER
SHRI MATA VAISHNO DEVI SHRINE BOARD
Central Office, Jammu Road, Katra (J&K) – 182301
E-mail: purchase_sec@maavaishnodevi.net

Request For Proposal (RFP)

SMVDSB invites Request for Proposal from **reputed manufacturers or their authorized distributors / dealers only** for Supply, Installation, Testing and Commissioning (SITC) with 05 year Comprehensive Operation and Maintenance of LED Display Scrolls/Variable Message Display (VMD) Boards for dissemination of weather advisories, emergency alerts, safety instructions, public information messages and other notifications along both side of the track (back to back mounted) for the visiting devotees on every **1 KM interval** (approximate length of track is 30 KMs).

The Optical Fibre Cable (OFC) network has already been laid throughout the track and shall be utilized for connectivity of the display system. The selected agency shall also provide comprehensive Operation and Maintenance (O&M) services for a period of five (05) years from the date of successful commissioning.

The interested firms may send their RFP along with relevant documents giving full details viz. Technical specification of their products.

The RFP shall be addressed to **Purchase Section, Shri Mata Vaishno Devi Shrine Board, Central Office, Katra** should be emailed on ID: aceovb@maavaishnodevi.net on or before **2026** upto **02:00PM** positively.

The RFP consisting of Scope, Requirement, Eligibility Criteria, set of Terms & Conditions and other details can be seen / downloaded from the Website www.jktenders.gov.in as per following:

Publishing Date	03.08.2026 at 04:30 PM
Download Start Date	03.08.2026 at 05:00 PM
RFP Start date (online)	04.08.2026 at 10:00 AM
RFP submission End Date (Online)	18.08.2026 at 02:00 PM
Hardcopy submission End Date	18.08.2026 at 02:00 PM
Date of Opening of RFP (Online)	19.08.2026 at 02:00 PM (in the office of Asstt. CEO (VB), SMVDSB, Katra)

The RFP can also be viewed on Shrine Board's official website i.e. www.maavaishnodevi.org.

- i) The RFP Application Fee of **₹ 1,000/- (Rs. One Thousand only)** shall be deposited in the following official account of Shri Mata Vaishno Devi Shrine Board, without which the RFP/Offer shall not be accepted:-

Account No.: 0097010100000706
Type of Account: SB
Banker: Jammu and Kashmir Bank Ltd.
Branch: Main Branch Katra

IFSC Code: JAKA0KATTRA

Title of Account: Shri Mata Vaishno Devi Shrine Board

- ii) The Earnest Money Deposit in the form of CDR/FDR amounting to ₹ 1,00,000/- **(Rupees One lakh)** drawn from any Nationalized / scheduled Bank must accompany the RFP document **or** the amount of EMD can be deposited in the official account of Shri Mata Vaishno Devi Shrine Board Branch J&K Bank Katra, mentioned at (i) above. The bidder shall have to upload the scanned copy of the same along with other prescribed documents without which the proposal shall be rejected outrightly.

Complete participation process will be done online on e-tender portal i.e. www.jktenders.gov.in. The prospective bidders should submit their offer as per the "Pre-qualification Application Format" as per Annexure A and the offered product comply with the requirements as mentioned in the Clause No. 02 of the RFP.

Sd/-

(Vipan Bhagat), JKAS
Asstt. Chief Executive Officer

No. CO/Pur/Electronics/686/1531

Dated: 01.08.2026



**OFFICE OF THE CHIEF EXECUTIVE OFFICER
SHRI MATA VAISHNO DEVI SHRINE BOARD**

Request for Proposal

Request for Proposal is hereby invited from the **reputed manufacturers or their authorized distributors / dealers only** as per details given below:

1. **Scope of Work:-**The scope shall broadly include:

- a) Design, supply, installation, testing and commissioning of outdoor LED display scrolls/ Variable Message Display (VMD) boards.
- b) Integration of display units with the existing OFC Backbone.
- c) Supply and installation of all ancillary equipment including media converters, switches, controllers, mounting structures, power supply systems, surge protection devices, networking accessories, etc.
- d) The LED display is capable of showing content that is clearly visible from distances of up to 100 feet.
- e) The control of the LED display VMD boards shall be centralized at ICCG, SGC, Katra.
- f) Development and deployment of centralized content management software for remote operation and monitoring.
- g) Facility for displaying:
 - i. Weather advisories
 - ii. Safety instructions
 - iii. Emergency alerts
 - iv. Traffic/track status information
- h) The display system software shall provide the capability to display information jointly for all zones and separately for each of the following zones through ICCG, SGC Katra:

i. Tarakote to Adhkuwari	=	7.70 km
ii. Adhkuwari to Bhawan via Himkoti	=	5.95 km
iii. Banganga to Adhkuwari	=	5.50 km
iv. Adhkuwari to Bhawan via Sanjichatt	=	6.00 km
v. Sanjichatt to Bhawan via Bharion ji)	=	4.45 km
- i) Public awareness messages etc.
- j) Real-time monitoring of all display units.
- k) Real-Time Yatra Status Information.
- l) Training of departmental personnel.
- m) The product should be durable & capable of withstanding monkey menace, adverse weather conditions & high wind speed etc.
- n) The bidder shall install LED display Boards at every 1 KM interval along the track. Each installation shall comprise two display mounted back to back i.e. both side of the track, enabling clear viewing of information by pilgrims coming in either directions.
- o) The services shall be integrated with the existing OFC Backbone and the public announcement system already established en-route to the Bhawan.
- p) **Comprehensive operation and maintenance for five years including preventive and corrective maintenance which includes:**
 - i. 24x7 technical support.
 - ii. Preventive maintenance on quarterly basis.
 - iii. Breakdown maintenance and replacement of defective components.
 - iv. The Bidder shall bear all costs associated with minor software modifications, software updates, system upgrades, and the supply, replacement, or integration of any associated equipment required for maintaining and enhancing the system during the contract period, at no additional cost to SMVDSB.
 - v. Remote monitoring and fault diagnosis.

- vi. Submission of periodic maintenance reports.
- vii. UPS units shall be provided and installed for the entire installed system to ensure uninterrupted power supply and backup during mains power failures

2. **Tentative Technical Requirements:-** The proposed solution should generally meet the following minimum requirements :

- a) Outdoor Full Colour LED Display suitable for 24x7 operations.
- b) Minimum Size: 4ft x 1ft P-10 RGB Parameter.
- c) Minimum brightness suitable for daylight visibility.
- d) IP65 or higher protection for outdoor installation. Housing should be stainless steel Powder Coated CNC made Box.
- e) Remote content update through existing OFC Backbone.
- f) Multi-lingual display capability.
- g) Scrolling text, static text and emergency message display.
- h) Centralized content management system.
- i) Power surge and lightning protection.

3. The Bidder shall hand over the project to the Board upon completion of the comprehensive Operation and Maintenance (O&M) period and shall provide training to the officials nominated by the Board for the subsequent operation, administration, and maintenance of the project.

4. The successful bidder shall provide **02 technical operators** on a 24x7 basis at the SMVDSB premises to provide technical support for the project. The Board shall make the necessary arrangements for their accommodation and all other logistical requirements.

5. The detailed layout of the existing OFC Network alongwith specifications is **annexed as "D1 & D2 respectively"**.

6. The layout of the track is **annexed as "C"**.

7. **SITE VISIT / SITE INSPECTION:**

- Before participating, the bidders in their own interest are advised to visit site to acquaint about the condition of site, its surroundings, terrain, climate, availability of labour, etc. Shri Mata Vaishno Devi Shrine Board shall bear no responsibility for lack of knowledge on their part about the site and other conditions or any information relating thereto. The consequences of the lack of knowledge, as aforesaid, on the part of the bidders shall be at the risk and cost of concerned bidder. The costs of any such visits shall be entirely at the Bidder's own expense. No compensation will be given on account of ignorance of any of the factors during execution of the works.
- The Shrine Board shall not be responsible and shall not pay for any expenses, which may incurred to the Bidder to person or property in connection with visits and examination of the site.

8. **Eligibility Criteria:-** Interested firms should fulfil the following criteria:

- i. The bidder should be an OEM / Manufacturer or Authorized Dealer of the products required for the project (undertaking / declaration certificate to be attached).
- ii. The bidder should have a minimum of three years' experience in the supply, installation, integration, implementation, and management of LED display systems, Variable Message Display (VMD) systems, digital signage systems, or similar ICT projects over a network infrastructure.
- iii. Average annual turnover of not less than ₹ 01 Crore during the last three financial years viz. 2022-23, 2023-24 & 2024-25.
- iv. The bidder must have sound financial background and a positive net-worth for the last three financial years (2022-23, 2023-24 & 2024-25).
- v. Valid GST registration and PAN.

- vi. The firm should not have been blacklisted by any Government Department/PSU. **(Affidavit on stamp paper duly attested by 1st Class Magistrate/ Oath Commissioner)**

9. **Information to be Submitted:-**

- i. Bidder's profile.
- ii. Certificate of incorporation/registration.
- iii. PAN and GST registration.
- iv. Supporting documents with respect to similar works executed.
- v. Financial statements for last three years.
- vi. Proposed technical solution and architecture.
- vii. Details of O&M support mechanism.
- viii. Any additional information relevant to the project.

10. **Procedure for submission of RFP:**

Bidders are required to submit Bids in two parts viz. Technical Bid (**Annexure-A**) and Financial Bid (**Annexure- B**) **(refers to BoQ Online only)**. The bidders are required to submit their bids under 2 bid system with Cover-I (Technical Bid) and Cover-II (Un-Price Bid).

A. Cover-I (Technical Bid)

(This cover shall contain): -

- (i) Scanned copies of EMD in shape of CDR / FDR pledged to FA/ Chief Accounts Officer, SMVDSB. Besides, the EMD in original shall be submitted along-with the hardcopy of technical bid document.
- (ii) RFP Fee to be transferred in the official account of Shri Mata Vaishno Devi Shrine Board, Branch J&K Bank Katra in Account No. 0097010100000706, IFSC – JAKA0KATTRA ("0" Zero). The bidder shall mention UTR No. in the prescribed Technical / Unprice-Bid Bid Form RFP Document containing **Instructions and Terms & Conditions, duly signed** on each leaf by the bidder, along with documentary proof wherever required.

B. Cover II (Un-Price Bid):

- (i) Price bid shall be as per **BOQ Annexure-B** and has to be submitted **online only**. Submission of the Hard copy of the same tantamount to rejection of the bid.
- (ii) The rates quoted shall be complete in all respect i.e SITC at site(s) and include all taxes, excise duty, levies, service tax, transit insurance, freight, etc. The rates for 05 years Comprehensive Operation and Maintenance shall be quoted separately in the BoQ. Nothing extra on any account shall be payable by the SMVD Shrine Board.
- (iii) The price bid should be absolute and unconditional.
- (iv) Conditional bids shall be rejected.
- (v) The price bids of only such bidders shall be opened, who qualify in the technical stage.
- (vi) Price bids not conforming to above standards or suffering from any flaw shall be rejected.

11. **Evaluation of RFP:-**

The RFP submissions shall be evaluated on the basis of:

- i. Technical capability
- ii. Relevant project experience.
- iii. Financial strength.
- iv. Proposed solution architecture.
- v. O&M support arrangements.
- vi. Performance of the bidder during presentation before the designated committee.

12. **Power Point Presentation:** The following topics shall be covered in the Power Point Presentations:

- Displaying scope
- Technical Details
- Integration of proposed setup with existing system
- Supply, Installation, Testing & commissioning of system alongwith 5 Years Operation & Maintenance support system.
- Remote Monitoring Features
- Service Centers and Technical Manpower

13. **Selection Criteria:** All bidders shall submit documentary proof in support of meeting Eligibility Criteria. In the first stage of evaluation, Proposals shall be rejected, if found deficient as per the requirements of RFP and other eligibility criteria. Only bids confirming the RFP conditions shall be further taken up for evaluation. The participating bidder's criteria eligibility shall be evaluated on the basis of points to be obtained in the **point matrix and Quality Cost Based Selection method (QCBS)**. The selection parameters should focus on technical capability, relevant experience, financial strength, maintenance support, compliance standards and performance during the presentation. The evaluation shall be made on the basis of following point matrix:

A. Pre-Qualification Points (Technical Parameters)

S. No.	Parameter	Evaluation Criteria	Marks	Supporting Documents
1	Experience in SITC of Outdoor LED Display Boards/Variable Message Signages/Information Display Systems over the Network	3 Years	5	Work Orders along with Completion Certificates/Performance Certificates/Client Certificates establishing successful execution.
		>3 Years to 5 Years	10	
		>5 Years	15	
2	Average Annual Turnover during FY 2022-23, 2023-24 & 2024-25	₹1 Crore	5	Audited Financial Statements (Balance Sheet & Profit & Loss Account) or CA-certified Annual Turnover Certificate.
		>₹1 Crore to ₹2 Crore	10	
		>₹2 Crore	15	
3	Service Support, Technical Manpower, Maintenance Infrastructure & After-Sales Support	Availability of Service Centre/Support Infrastructure	5	List of Service Centres with addresses, office details, infrastructure declaration, and documentary proof such as lease deed, utility bill or GST registration.
		Qualified Technical Manpower	5	List of technical personnel along with qualification certificates, experience details and payroll/appointment proof.
		Complaint Response & Resolution Mechanism	5	Standard Operating Procedure (SOP), Escalation Matrix, Helpdesk Process and SLA Commitment.
		Availability of Spare Parts, Preventive Maintenance & AMC Support	5	Declaration regarding spare inventory, AMC support capability, preventive maintenance schedule and OEM authorization
		Subtotal	20	
4	Presentation/Demonstration of Proposed Solution (Post-bid Presentation)	Understanding of Project Requirements	5	Technical Presentation before the Evaluation Committee.
		Proposed Solution Architecture & Design	10	Live Demonstration of the proposed LED Display System, Content Management Software (CMS), Monitoring Dashboard and Remote Management Features.
		Demonstration of LED Display, CMS & Monitoring Software	15	
		Integration with Existing Systems/Third-party Applications	5	

		Project Implementation Methodology & Timeline	10	Detailed Project Execution Plan, Deployment Schedule, Resource Plan and Gantt Chart.
		Query Handling & Technical Competence during Presentation	5	
		Subtotal	50	
		Grand Total	100	

B. Bid Evaluation criteria (Technical and Financial):

The bidder shall follow two bids systems where the technical bid and financial bid shall be evaluated separately and the bidder meeting the minimum eligibility requirements will be invited for making a presentation. The points earmarked for the evaluation of bids based on technical and financial would be as follow:

I. Technical Bid Evaluation:

- i. The firms fulfilling the minimum eligibility criteria shall be called for post-bid profile presentation wherein the bidders shall give presentation on the purposed project of SMVDSB and the same shall be evaluated by the designated committee.
- ii. The technical evaluation shall be done on weight age with 60% to technical evaluation and 40% to financial evaluation as per the GFR Rules 2017 of Ministry of Finance, Department of Expenditure.
- iii. For qualifying in the technical bid, bidder shall have to score minimum 70 points out of 100 as mentioned in the above point matrix table as per the Illustration 1 below:

Illustration 1 (Technical Weightage): For instance, if a bidder has secured 80 marks out of the total 100 marks in technical evaluation his technical evaluation value shall be 48 (60% of 80).

- iv. The bidder who qualified in the technical evaluation stage shall only be eligible for opening of financial bids. However, the Shrine Board reserve the right to negotiate the quoted rates, terms & conditions with the lowest tenderer or any of the other Tenderers on quality basis to ascertain the suitability of the acceptance offer.

II. Financial bid evaluation & determination of the successful bidder:

- i. Since the financial proposal shall carry a weightage of **40%**, the bidder quoting the **lowest cumulative price for Supply, Installation, Testing and Commissioning (SITC) and five (05) years of Comprehensive Operation and Maintenance (O&M)** shall be awarded the maximum **40 marks** (i.e., 40% of the total 100 marks).

Illustration 2: For instance, if the bidder at illustration 1 is L-1 Bidder and quoted ₹100/- for being L-1, then his total value shall be 88 [i.e. 48 (Technical Value) + 40 (Financial Value)].

- ii. The financial scores of the other bidders i.e. L-2, L-3.... and so on shall be computed as under as explained at illustration 3 below:

Illustration 3: For instance, if the bidder of Illustration 1 is L-2 Bidder and he quoted ₹125/- therefore 40% being the weighted value, the financial score for L-2 shall be computed as: 40×100 (L-1 price)/125 (quoted price of L-2) = 32.

- iii. The bidder's ranking shall be arranged depending on the marks obtained by the bidder in Technical and Financial Evaluation. The bidder attaining highest score after considering technical and financial values shall be awarded with the contract and in case of the tie in score, the bidder scoring more in the technical bid evaluation process shall be considered for the allotment of the contract.

14. Performance Guarantee:

The successful firm shall deposit Performance Guarantee @ 5% of the Contract value (excluding cost of Comprehensive Operation & Maintenance) in the shape of CDR / FDR / TDR duly pledged to FA/ CAO, SMVDSB, Katra or the amount of Performance Guarantee can be deposited in the official account of Shri Mata Vaishno Devi Shrine Board Branch J&K Bank Katra, Account No. 0097010100000706, IFSC – JAKA0KATTRA ("0" Zero) before execution of Contract Agreement. The same shall be released after successful completion of 5 years Comprehensive Operation & Maintenance period. The EMD of the successful firm(s) shall be released after the submission of performance guarantee.

15. The Shrine Board Reserves the right to:

- i. Reject the offer at any stage if not in conformity to the requirements, terms & conditions mentioned in the RFP.
- ii. Re-invite the RFP at its sole discretion.
- iii. Cancel / terminate the RFP without assigning any reason thereof.
- iv. Debarring any defaulter firm from any further dealing with Shrine Board for the period of 03 years.
- v. Modify the Terms and Conditions of the RFP at any time.

16. Terms of Payment:

- i) 70% of the contract value excluding cost of Comprehensive Operation & Maintenance shall be paid after delivery of complete material at site(s), subject to satisfactory report of IT Wing.
- ii) 30% of Contract value excluding cost of Comprehensive Operation & Maintenance shall be paid upon successful installation, Testing and Commissioning of the system, subject to the satisfactory report of the IT Wing, SMVDSB.
- iii) Payment for Comprehensive Operation & Maintenance shall be made in two equal instalments each year, with each instalment becoming due at the end of every six month during 05 year contract period.

17. PENALTY FOR DELAYS:

If the successful bidder fails to execute the supply and installation of the LED Displa within the stipulated period, the penalty @ 0.5% of the contract value shall be imposed per week, subject to maximum of 10% of the Contract value. Beyond which, the remaining works shall be executed at the risk & cost of the successful bidder. Beside, the firm shall be debarred for participation in the future tendering of SMVDSB for a period of 03 years including forfeiture of EMD/Security deposit.

18. INDEMNITY:

The successful tenderer shall at all times indemnify the SMVDSB, consequent on this works contract. The successful tenderer shall be liable, in accordance with the applicable Law and Regulations for any accident occurring due to any cause and the SMVDSB shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into

operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

19. ARBITRATION:

In case of any dispute arising between the parties to this RFP and all matters connected therewith, both parties shall make every effort to resolve it amicably by direct informal negotiation. If, even after thirty days from the commencement of informal negotiation, the parties have not been able to resolve the dispute amicably, then such disputes / differences shall be resolved by Arbitration as per the Arbitration and Conciliation Act, 1996.

- a) Either party may request other of its intention that a dispute be submitted to Arbitration and both the parties shall meet within 15 days from the date of receipt of such request, to select a sole arbitrator mutually for the resolution of dispute and venue / seat of Arbitration shall be at Jammu /Katra / Reasi.
- b) In the event that the parties cannot agree upon the selection of the sole Arbitrator, either party or both of the parties may move an application before the Hon'ble High Court at Jammu, under the Arbitration and Conciliation Act, 1996, for the appointment of sole Arbitration with seat / venue at Jammu for the resolution of disputes between the parties. However, on failure of resolution of disputes through procedure elaborated above, the Courts at Katra / Reasi alone, shall have the Jurisdiction with respect to subject matter of this RFP.

20. FORCE MAJEURE

Any failure or omission to carry out the provisions of the order shall not give rise to any claim by one party against the other, if such failure or omission arises from an "Act of God" which shall include all acts of Natural Calamities such as fire, flood, earthquakes, hurricanes or any pestilences or from civil strikes, compliances with any statute or regulations of the Government lock outs and strikes, riots, embargoes or from any other reasons beyond the control of the parties including the war (Whether declared or not) Civil War or State of Insurrection.

Sd/-
(Vipan Bhagat), JKAS
Asstt. Chief Executive Officer

No. CO/Pur/Electronics/686/1531
Dated: 01.08.2026



“Annexure-A”

**Office of the Chief Executive Officer,
Shri Mata Vaishno Devi Shrine Board, Katra**

Pre-Qualification Application Format (Technical Bid)

To,

**Asstt. Chief Executive Officer (VB),
Shri Mata Vaishno Devi Shrine Board, Katra.**

Subject: RFP for SITC and 05 years Comprehensive Operation & Maintenance of LED Display Boards

Ref. No: **RFP No: CO/Pur/Electronics/686/1531**

Dated: 01.08.2026.

Sir,

I hereby submit offer for the work namely “SITC with 5 years Comprehensive Operation and Maintenance of LED Display / VMD” with the particulars given below:-

S. No	Particulars	Attached / Uploaded
1	Name of the Bidder with complete postal address and contact number, e-mail etc..	
2	Copy of Registration	
3	Copy of OEM or their authorized distributor / dealer certificate.	
4	Copy of BIS / IS/ ISO certifications if any.	
5	Three years experience in the field of supply and implementation of LED display systems, VMD systems, digital signage or similar ICT projects (supporting documents to be attached/uploaded)	
6	Detail of RFP Fee	
7	Detail of EMD	
8	Copies of PAN & GST	
9	Annual turnover of the bidder during last three financial years: a. 2022-23 b. 2023-24 c. 2024-25	

10	Affidavit on stamp paper duly attested by 1st Class Magistrate to the effect that: - The documents catalogue etc. enclosed with the e-tender are genuine and have not been tampered or fabricated. - The firm has not been blacklisted in the past by any Govt/ Private institution of the country. - no case is pending with the police / court against the bidder / firm / company /Agency - If anything is found incorrect at any stage, the bidder shall be personally responsible for the same.	
11	Copies of Income Tax Return, Balance Sheet, Profit & Loss Account for the last three financial years. 2022-23 2023-24 2024-25	
12	Name of Authorized contact person with Address and Phone number, e-mail etc.	

I certify that I am authorized to furnish the information given above on behalf of the firm/agency/company I represent and that it is true to the best of my knowledge and belief.

Authorized Signatory
Name of the Firm/Agency/Company



"Annexure-B"

**Office of the Chief Executive Officer,
Shri Mata Vaishno Devi Shrine Board, Katra**

The Asstt. Chief Executive Officer (VB),
Shri Mata Vaishno Devi Shrine Board,
Central Office, Katra.

Subject: RFP for SITC and 05 years Comprehensive Operation & Maintenance of LED
Display Boards

Ref. No: **RFP No: CO/Pur/Electronics/686/1531 Dated: 01.08.2026.**

RFP Fee detail: _____,
EMD detail : _____

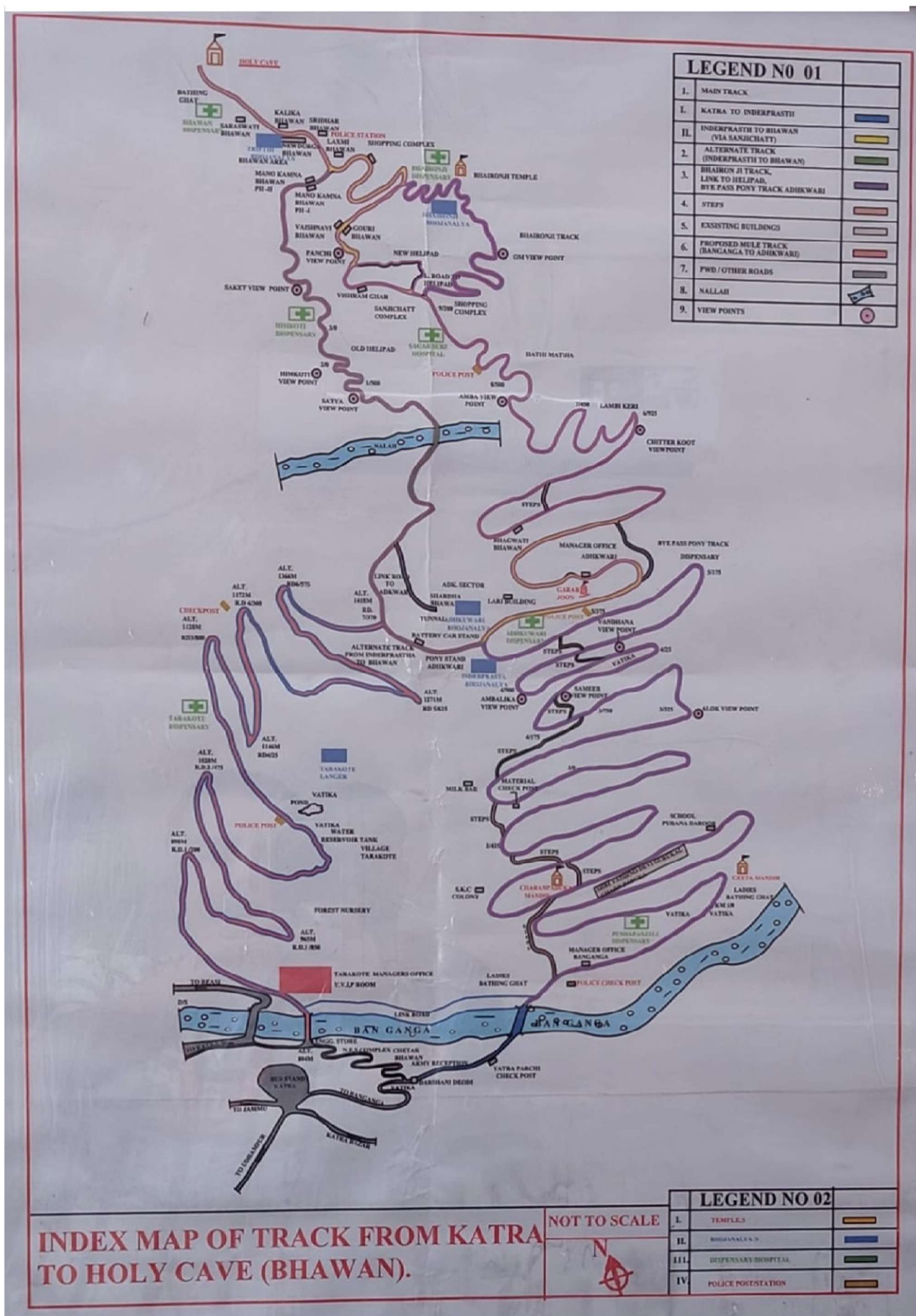
Sir,

I, _____ representative / proprietor of
M/s _____ hereby submit the offer for SITC and 05 years
Comprehensive Operation & Maintenance of LED Display Boards as per requisite
requirement of Shrine Board. The offered rates are NET inclusive of GST / other taxes and
F.O.R SITC at Site(s) are as under:

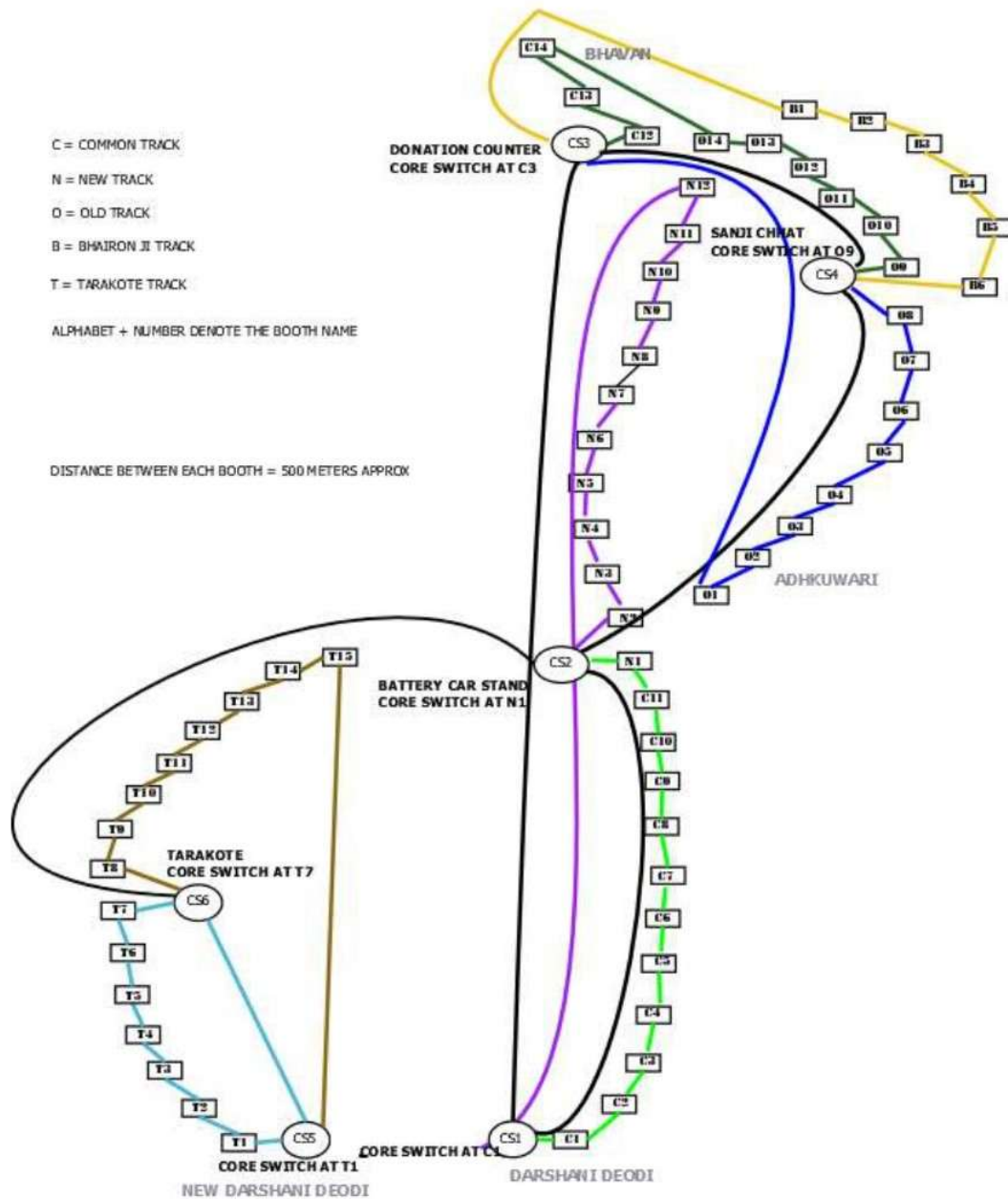
S. No.	Description of items	Total amount (in ₹)
1	SITC of LED Display Boards/ Variable Message Displays	
2	05 Years Comprehensive Operation & Maintenance	
2.1	1 st year Operation & Maintenance	
2.2	2 nd year Operation & Maintenance	
2.3	3 rd year Operation & Maintenance	
2.4	4 th year Operation & Maintenance	
2.5	5 th year Operation & Maintenance	

I further affirm that I have read and fully understood the RFP notice and agree to abide by all terms and conditions laid in the RFP, which are being signed in token of my acceptance. In case, I fail to abide-by the conditions or to carry on the contract to the entire satisfaction of the Shrine Board. I will be liable to the penalties under rules mentioned in the terms and conditions.

Authorized Signatory _____
Name of Bidder _____
Contact No. _____



EXISTING OFC NETWORK



The Existing Network Summary

The Shri Mata Vaishno Devi Shrine Board has existing and operational fibre network spanning the complete Shri Mata Vaishno Devi Old track, New Track via Himkoti, the Bhairon Track, and the Tarakot Track. The 24 Core Single Mode Fibre is deployed across old track comprising Phase 1 while Phase 2 comprising the Tarkot Track is with 48 Core Fibre.

The Physical Topology of the network is that of a Ring. There are 7 rings. Network devices are connected in a loop, where each device is physically connected to exactly two neighboring devices, forming a circular path. Communication on these rings is bidirectional. Each ring can communicate with the other rings via 6 Core Switches which are further connected in a ring. The design provides resilience and redundancy.

The Logical Topology is based on a 2-tier Architecture:

- The Access Layer 2 Switches at booths at every 500 meters along the track. These switches provide connectivity to services along the track, such as Audio, Video, Telephony, Data, Surveillance
- The Access Switches are terminated over Layer 3 Core Switches at CS-1, CS-2, CS-3, CS-4, CS-5 and CS-6 in the diagram below.
- The Core Switches CS-1, CS-2, CS-3, CS-4, CS-5 & CS-6 are connected in a 10 Gigabit Fibre Ring