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##### **GOVERNMENT OF KARNATAKA**

**Public Works Department**

**Office of the**

**Chief Engineer, C & B**

**Public Works Department**

**Kalaburagi Division, KALABURAGI, Karnataka**

**FORMAT - PoC : Proof of Concept Certification**

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| --- | --- | --- | --- | --- |
| Tender Ref | 1. KPWD/2022-23/EL/WORK\_INDENT159265 2. KPWD/2022-23/EL/WORK\_INDENT159278 3. KPWD/2022-23/EL/WORK\_INDENT159297 4. KPWD/2022-23/EL/WORK\_INDENT159300 5. KPWD/2022-23/EL/WORK\_INDENT159287 6. KPWD/2022-23/EL/WORK\_INDENT159266 7. KPWD/2022-23/EL/WORK\_INDENT159232 8. KPWD/2022-23/EL/WORK\_INDENT159298 | | | |
| PoC Reference Document | Specifications - Annexure TS-1, Annexure TS-2, Annexure TS-3 | | | |
| PoC/Demo on System | All-in-One SMART Projector & associated Software | | | |
| Tenderer |  | | | |
| Represented by |  | | | |
| E-mail |  | | Mobile |  |
| Date of PoC/Demo | 02/11/2022 | **Venue:**  Office of the  Chief Engineer, C & B  Public Works Department  Kalaburagi Division, KALABURAGI, Karnataka | | |

We here by certify that the Subject Bidder has offered a Proof of Concept Demo on the subject System/Equipment/Instrumentation as per Annexure- PoC.1 attached herewith and are **ELIGIBLE** to submit their Tender.

**Tender / Technical Evaluation Committee Members**

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|  |  |  |
| **Manoj Kumar Gadaballi,**  **Chairman** | **Srinivas.P**  **Member** | **Pradeep B T**  **Member** |
|  |  |  |
| **Raj Kumar G**  **Member – Technical Expert** | **Indudhar**  **Member -Secretory** |  |

**Encl : Annexure – PoC.1**

**Annexure – PoC.1 for FORMAT - PoC : Proof of Concept Certification**

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| **SL No** | **PoC Items** | **Compliance (Yes/No)** | **Remarks** |
| **01** | **All-in-one Blended SMART classroom 3D Projection System** | | |
| **1.1** | **Digital Projection:** Short throw, LED Source, HD resolution quality projection with 3D & interactivity enabled |  |  |
| **1.2** | **Optical Source:** |  |  |
| **1.3** |       High intensity RGB 4 LED, Auto Focus, Optical Module |  |  |
| **1.4** | 1500 ANSI Lumens brightness through Overlapping Technology |  |  |
| **1.5** | Minimum 30,000 hrs Lamp Life since it is LED technology |  |  |
| **1.6** | **Native Resolution:** HD [1920 x 1080] |  |  |
| **1.7** | **Image Size:** up to 120 inches (Diagonally) |  |  |
| **1.8** | **Throw Ratio:** 0.8 |  |  |
| **1.9** | **Contrast Ratio:** 700:01:00 |  |  |
| **1.10** | **Aspect Ratio:** 16:09 |  |  |
| **1.11** | **Computing Unit:** |  |  |
| **1.12** | Intel i5, 10th Generation |  |  |
| **1.13** | RAM: 16 GB |  |  |
| **1.14** | Operating System: Windows 10 |  |  |
| **1.15** | Storage: 1 TB SSD internal storage upgradable upto 2TB |  |  |
| **1.16** | Camera for Video Interactivity: Dual Cameras, 8 Megapixel camera with wide angle vision each |  |  |
| **1.17** | **Audio Capabilities:** |  |  |
| **1.18** | 20 w Integrated Speakers - Wide-band frequency response speaker 1.20design. |  |  |
| **1.19** | Microphones–Integrated 4 Channel Microphones (2 Nos Collar Mics and 2 No Hand-held Mics) with a range of 20 mts, |  |  |
| **1.20** | High-sensitivity piezoelectric MEMS microphone with noise cancellation, that captures sound from distance of up to 10 meters, High quality condenser mike with noise cancellation. |  |  |
| **1.21** | Audio interface equipment for recording. |  |  |
| **1.23** | **Interfaces and Connectivity:** |  |  |
| **1.24** | Bluetooth 5.1 & Wi-Fi enabled |  |  |
| **1.25** | Ethernet Port |  |  |
| **1.26** | 2 USB 3.0 Ports |  |  |
| **1.27** | 2 HDMI Ports (In & Out) |  |  |
| **1.28** | 4G LTE Sim support |  |  |
| **1.29** | Interactive IR based Remote Controller |  |  |
| **1.30** | **Device Control:** Device mounted 8 button touch pad |  |  |
| **1.31** | **Physical Security:** Kensington Lock |  |  |
| **1.32** | **Built in Sensors for tracking:** Keystone Correction Feature, GPS - for location monitoring, Temperature, etc |  |  |
| **1.33** | **Portability:** Light weight (weighing less than 3 kgs) and easy to carry (in a backpack). |  |  |
| **1.34** | **Power consumption**: Power Consumption less than 150 W |  |  |
| **1.35** | **Power Supply**: AC input 100~240V,50/60 Hz |  |  |
| **1.36** | **Video Compatibility:** HDMI Digital - compatible with the DVI digital format. All other formats require converters. |  |  |
| **2** | **Software Bundle to be provided to install and work seamlessly on the above Projector** | | |
| **2A** | **Classroom Lecture Capture Software -Training/Video capturing system** |  |  |
| **2B** | **Interactive digital wall software** |  |  |
| **2C** | **Video Conferencing Software/ Multi Classroom Collaboration Software** |  |  |
| **2D** | Mobile Applications: Mobile Application which can be downloaded both for Android and iOS platforms for accessing and attending the classes by the students indiudually |  |  |
| **2E** | **MIS Package** |  |  |
| **2F** | **Microsoft Windows OS :** Microsoft Windows OS Version Windows 10 preferably with perpetual and multi user License shall be installed on to the System and configured. |  |  |
| **3**  **(TS 3)** | **Multimedia Digital Content for Primary School.** Supply of Multimedia digital content for primary School as Per Karnataka Government Syllabus for Kannada Class 1 to Class 8 to be installed with All in one Blended Smart Projector getting fixed to Primary Schools. |  |  |
| **3**  **(TS 2)** | **Multimedia Digital Content for Pre University Colleges.**  Supply of Multimedia digital content for PUC-1 and PUC-2 as Per Karnataka Government Syllabus to be installed and Supplied with All in one Blended Smart Projector getting supplied to Pre University Colleges. |  |  |
| **3**  **(TS 1)** | **Multimedia Digital Content for University Colleges.**  Supply of Multimedia digital content for University/Degree Colleges (Science and Commerce) as Per Karnataka Government /University Syllabus to be installed and Supplied with All in one Blended Smart Projector getting supplied to University Colleges. |  |  |