CORRIGENDUM 2

Project

SMART CLASSROOMS (AP 25.1)

CLARIFICATIONS/ REPLIES

to

PRE-BID QUERIES

S.No.	Reference as per RFP	
1.	Further to Clause 2.3.2.1: Detailed Specifications for DIGITAL CONTENT: Specifications, In addition to the current Specifications mentioned in the RFP.	Please find below more detailed specifications of the DIGITAL CONTENT (For Classes I-XII) to further elaborate on the specifications given in the RFP: • The content should be accessible from an easy-to-use application and the application platform is to be provided along with the content. • The content should be fully secure, Encrypted and controlled by a license for the contract period. • The content should be modularly structured and should be available for all subjects/classes across NCERT / CBSE / HP Board curriculum. It should support a teacher led delivery that requires continual teacher intervention and create an interactive teaching-learning environment in the Class. • Facility to pause / forward / backward / mute / skip to screen, the multimedia lesson modules at any point to highlight and explain concepts during the class, frame wise. • The Content should cover Hard-spots for all the grades as per NCERT / CBSE / HP Board curriculum. Content should be available both in English and Hindi with a minimum of 1000 modules in Hindi. • The Content should be periodically updated as and when the change in curriculum happens during the contract period, via internet after one time synchronization at the time of deployment.

| | | The lesson plan should include resources such as 2D/ 3D videos to explain key concepts, including: Lab experiments and activities in Science and Maths wherever applicable. Diagram maker to depict step-by-step creation of diagrams Simulations in Math and Science wherever applicable, should be available. The videos should be available topic wise. Each video should help the teacher in explaining the key concepts covered in the topic. It should not be a replica of the prescribed book. The videos should follow the instruction design principles and be a complete unit that includes learning objective, content, and summary. The content for each topic should be comprehensive and include components such as videos and simulations to engage learners; practice exercises, worksheets, and interactivities so that learners can practice the concepts learned; graphic organizer and topic synopsis as ready-reckoner for the topic; tests for each topic to evaluate students. Teachers should also get an access to lots of resources such as teaching ideas, assessment for learning, and web links for further reading and help them plan the group activities for a class. Chapter-level resources such as sample papers, board questions, subjective tests with solutions, and NCERT solutions should be provided. Provision should be there to create own resources by Teachers and add to the lesson plan. And provision to create their own lesson plans and quizzes by using the additional resources available in the vast repository of content The solution should be easy to deploy and be cost-effective. The content should be available in both online and offline modes (i.e. in the absence of internet). The Content Management Software (CMS) should be able to provide access to repository having essential elements of Content such as Animations, Real Life Applications, Assessments for Learnings, Teaching ideas, Mind Maps, Diagram Maker, Simulations, Topic Synopsis, Worksheets, Resources for Teachers, Weblinks and Multiple Choice questions of varying difficulty levels. Teachers should be able to search the repository for relevant content, based on keywords, subject, class, and category. The Content Management Software (CMS) should be able to generate various types of Analytics such as:
a. The percent of content accessed in a class in a given time frame for a chapter, basis the teacher logins.
b. Content usage MIS reports (including date-wise, teacher-wise, subject wise), Teacher Resources Usage Report, Test Usage Reports |

2.	Further to Clause 2.3.7.1, please clarify further on the Specifications mentioned for CLASSROOM FURNITURE: Specifications (In addition to the current Specifications mentioned in the RFP, please find below a more detailed specification sheet).	Please find below more detailed specifications of the CLASSROOM FURNITURE to further elaborate on the specifications given in the RFP: **Classroom Furniture:** Providing Two Seater Desk and Benches with Shelfs. **Desks of Sizes:** **Size 1:** 36" [L] x 14" [W] x 24" [H] [500 Sets] **Size 2:** 36" [L] x 14" [W] x 27" [H] [600 Sets] **Size 3:** 36" [L] x 14" [W] x 30" [H] [525 Sets] **Benches with Back Rest of Sizes:** **Size 1:** 36" [L] x 10" [W] x 12" [H] X 24" [H of BACK] [500 Sets] **Size 2:** 36" [L] x 10" [W] x 14" [H] X 27" [H of BACK] [600 Sets] **Size 3:** 36" [L] x 12" [W] x 18" [H] X 30" [H of BACK] [525 Sets] Structure made by 1" Round or Square pipe of 16 Gauge, Rubber Bush, Black Asian Painted. All Desk, Seating, Top, Shelf to be made of 18 MM Thick Plyboard with Mica. **Sample for all sizes to be approved by the authority.** **Please Note:** One set comprises of a table & bench for two students. Total 1625 Sets Required. Average Price for 1625 sets needs to be mentioned in the BOQ.
3.	Further to Clause 2.3.1.4, Further to the Specifications of the Interactive Pad, kindly clarify the exact requirement and specifications in Detail.	Kindly find below the detailed specifications for the Interactive Pen Display: Display Size Diagonal : 10" or more Display resolution : 1920 X 1080 Full HD Technology : Electromagnetic Resonance Stylus type : Battery free Pen Multi touch : Yes Pen Pressure : 1024 or more Response Rate : 25ms or better Brightness : 200cd/m2 Aspect ratio : 16:9 Contrast Ratio : 1000:1(typical) Cover Glass Surface : Anti-glare The product should be of a reputed brand like Elo-Touch, Wacom, Arthur Holm or any other reputed brand with similar or better specifications.

24.8.2018

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DTLPMC
24/8/18

4.	Please clarify the period of AMC (Operation and Maintenance) as in some places the connectivity or requirement mentioned is for 4 years whereas AMC (Operation and Maintenance) is mentioned for 3 years. Kindly clarify.	AMC (Operation and Maintenance) will be for three years (36 months) after the issuance of the "Certificate of Completion of the Project". 12 months have been given for installation, commissioning and to make the project 'Go-Live' along with 36 months as AMC (Operation and Maintenance) Period, hence certain items (For eg) Internet connection are mentioned for a period of 4 years. **Please note** that if the complete project is made Go-Live in less than 12 months and the "Certificate of completion of the project" is issued, then the AMC (Operations and Maintenance period) would start as soon as the completion certificate is issued. For eg. If the complete project is made Go-Live and the Certificate of Completion is issued in 6 months, then the total period of the connectivity or requirement is Three and a half years instead of Four years.
5.	As per clause 2.3.4 for the Internet Connection, kindly clarify if a Tri Party Agreement is required for the same. Also kindly specify if any kind of Firewall is required along with the Internet Connection?	Yes, the agreement needs to be between the bidder, the service provider for Internet and the School Authorities. Firewall is not required, however the bidder is free to provide a Firewall to prevent unauthorized use of sites to school authorities.
6.	As per clause 1.4.6 under Technical Evaluation Criteria for "Experience of Implementing Smart Classroom Projects in India & Abroad", can a bidder with 3 years of experience instead of 5 get maximum marks?	Yes, any bidder with 3 or more years of Experience of Implementing smart classroom Projects in India & Abroad **will get 15 marks**.

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