

PUSHPA GUJRAL SCIENCE CITY

Jalandhar – Kapurthala Road, Kapurthala

Corrigendum for Clauses in Tender Document based on Pre-Bid Meeting Decisions

Please refer to e-tender for Supply, Installation, Integration, Testing and Commissioning of High Resolution, High Brightness Full dome Digital 4K 2D Immersive Projection System with hardware and software packages, interfaces, tools and / or drivers etc. (including integration of existing audio System and cleaning of existing screen) at Pushpa Gujral Science City, Kapurthala for projection on existing 23 meter 30 degree tilted dome with 3 (three) years On-site Comprehensive Warranty including preventive maintenance and further Comprehensive AMC for next 2 years.

In accordance to decisions taken w.r.t. queries raised by agencies towards various clauses of Tender Document through emails and in the pre-bid meeting held on 01.08.2022 following corrigendum is issued:

Sr. No.:	Tender Reference			Statement as per tender document	Queries / Points raised / Amendment Requested	DECISIONS / CLARIFICATIONS
	Page	Section No.:	Section Name			
1	5	5	Bid Submission End Date	10.08.2022	Requested to extended for at least 4 weeks from date of Pre-bid Meeting	Clause Amended as: Last Bid Submission Date is extended upto 22.08.2022
2	5 48	2 15	Completion / Delivery Period	With 7 months from the award of work or opening of LC whichever is later	Request to extend the date of Delivery period	NO CHANGE in the Clause
3	23	5.6.1 - 4	Technical Evaluation Marking Scheme	Operation and Maintenance experience for Digital 4k 2D / active 3D Fulldome shows on minimum 18 m dia screen	Whether Fulldome Show refers to Full dome Planetariums	Clarified that : Full Dome show shall be considered and referred as Full Dome Theatre
4	32	Section 1	Scope of Work	The existing Audio System (PD-80 sound system, 8 Channel of Otari, Japan make) will be integrated with new system.	Request to you provide schematic diagrams for the existing arrangements and details of all hardware components of the PD-80 Sound system.	Bidders were advised to carry out site inspection. The specifications of the Audio System will also be shared with the bidders through email.

5.	32 35	A-1 Table 1.3	3 Chip DLP projectors	3 Chip DLP projectors with individual intensity of minimum 40,000 ANSI lumens , minimum contrast ratio of 5000:1 and minimum individual native resolution of 4096 pixel x 2160 pixel with signal processing at 60 Hz, shall be used for full dome projection system with effective screen resolution of minimum 11 Million Pixel after seamless blending on the dome screen . Optimized blending technology should be adapted for laser light source.	Effective screen resolution of minimum 11 Million Pixel after seamless blending on the dome screen Optimized blending may be reduced.	Clause Amended as: The effective screen resolution after seamless blending on the dome screen should be minimum 8.5 Million Pixels. Rest of the Clause remains same. The above amendment will also be applicable wherever the clause of effective screen resolution after seamless blending is mentioned in the tender document e.g. at section II, point No. 1.2 and 1.3 at page No 37 & 38 .
6	32 35	A-2 Table 1.3	3 chip DLP projector	Each 3 chip DLP projector shall be pure RGB Laser with 25,000 hours life to 50% brightness.	Request to change to "Laser"	NO CHANGE in the Clause
7	36	Table 1.4	Projectors	Minimum Native Resolution: 4096 pixel x 2160, 60 Hz, at minimum 5000: 1 contrast ratio.	Request to change resolution to 3840x2400	NO CHANGE in the Clause
8	41	3.5.10	System Software American Museum of Natural History Digital Universe an equivalent database dully validated	System software should include the American Museum of Natural History Digital Universe or an equivalent database dully validated strictly by a reputed international	Sky Explorer Live Atlas System Software proposed.	NO CHANGE in the Clause

				organization working in the field of astronomy/ astrophysics. There should be provision for on line updation of the show elements.		
9	43	4.1.1	Shows	PGSC will select 6 shows which will be provided and installed at PGSC theatre with license / subscription period of 1 years for each show. These show will be screened in staggered way i.e. each show license period will commence form the date of screening.	Requested to modify this clause the following way “These shows will be screened in staggered way over a period of 12 months from the date of commissioning i.e. each show license period will commence from the date of screening”. To clarify the term “Astronomy Sky shows” is it used to mean the software script based shows using existing Data and content of Astronomy simulation software. It is not video file playback.	Clarified that 6 large format film / video shows that could be either original large format digital shows or converted large format digital shows, which are compatible with the proposed system are to be supplied along the system free of cost. PGSC will select 6 shows which will be provided and installed at PGSC theatre with license / subscription period of 1 years for each show. These show will be screened in staggered way i.e. each show license period will commence form the date of screening Bidder will also provide at least 4 Astronomy Sky Shows along the system free of cost.
10	44	6.1.1	Calibration and Alignment	Software, hardware and multi-camera based mechanisms to be included in order to ensure error free edge blending / geometric correction on screen as well as to maintain uniform colour, and contrast on projectors and dome screen.	Suggested to rephrase of clause is as follows: “Software, hardware and camera based mechanisms to be included in order to ensure error free edge blending / geometric correction on screen as well as to maintain uniform colour, brightness and contrast on projectors and dome screen.”	NO CHANGE in the Clause

11	46	10	Cleaning of existing Perforated Aluminum Dome screen	Cleaning of existing Perforated Aluminum Dome screen from inside to make it completely dust free	To clarify the following important aspects are expected to be in the scope of bidder for this work or if they will be provided by PGSC: <ul style="list-style-type: none"> ▪ Removal of seats for cleaning and reinstallation of seats after cleaning. ▪ Dismantling of the large format film projection system (ultra 70 PD of Goto). ▪ Dismantling of existing Dog House 	Clarified that <ul style="list-style-type: none"> ▪ If seats / carpet are required to be removed for cleaning of dome screen, bidder will be responsible to remove and reinstall the chairs and carpet. ▪ Dismantling of the large format film projection system (ultra 70 PD of Goto) is not required. ▪ Dismantling of existing Dog House is not required.
12			EMD Exemption , Past Experience & Turnover Requirement		Request to relax the EMD, Past Experience and Turnover requirements for Startups	NO CHANGE in the Clause

In addition to above mentioned clarifications and decisions, the rest of the tender document remains same.

This is issued with the approval of competent Authority

DGM