## 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 online on 10.05.2023, following corrigendum is issued:

Sr. No.:	Tender Reference		Reference	Statement as per tender document	Queries / Points raised / Amendment Requested	Decisions/Clarifications
11011	Page	Sectio n No.:	Section Name		nequesteu	
1.	5	14	Particular s of tender	IST	We kindly request the bid submission deadline de extended for at least 4 weeks from the date of the Pre-bid meeting as such time is imperatively required to prepare a technocommercial response.	I
2.	16	3.3	ELIGIBLE BIDDERS	The bidder must have installed at least 1(one) 2D immersive projection system (Multi-Channel 4K resolution in India and at least 1(one) 4K or higher resolution 2D immersive projection system for 18-diameter or higher anywhere in the India / World and should be operational & functional in all aspects for at least one year from date of successful installation.	"means India as well as world. Or it means India or World?	Clause Amended as:  The bidder must have installed at least 1(one) 2D immersive projection system (Multi-Channel 4K resolution in India and at least 1(one) 4K or higher resolution 2D immersive projection system for 18-diameter or higher anywhere in the World and should be operational & functional in all aspects for at least one year from date of successful installation.

3.	16	3.6	ELIGIBLE BIDDERS	The Bidder and or Local agent should have Work Experience Eligibility: The Bidder should completed similar works (as installation of 2D have completed similar works (as New immersive projection system (Multi-Channel 4KTechnology based Dome Projection 270/360 resolution in India and at least 1(one) 4K or higher degrees projection mapping anywhere in the resolution 2D immersive projection system for 18 m-India / World and should be functional in all diameter or higher anywhere in the India / World aspects for at least one year from date of and should be operational & functional in all aspects successful installation.) with similar make for at least one year from date of successful during the last 10 (ten) years from the date of installation.) with similar make during the last 10 the issue of this E-TENDER (ten) years from the date of the issue of this E-TENDER.	
4.	16	3.7.1	ELIGIBLE BIDDERS	Here the similar works shall mean concept, design, Here the similar works shall mean concept, supply, installation, testing & commissioning ofdesign, supply, installation, testing & Digital 4K Full dome 2D immersive planetarium commissioning of New Technology based projection system on minimum 18 m diameter projection mapping 270 degrees/ 360 degrees Screen.	
5.	16	3.7.2	ELIGIBLE BIDDERS	In the case of Consortium/JV participating in this E-In the case of Consortium/JV participating in TENDER, the works of all the individual members of this E-TENDER, full weightage will be given for the Consortium/JV done independently will be the past experience executed in consortium. considered as valid work experience but have not been done in conjunction or partner of any other consortium or JV.	
6.	16	3.7.3	ELIGIBLE BIDDERS	If any bidder has executed the similar work as a part of a consortium/JV in the past then the work experience of the bidder shall be considered as valid only if all the consortium/JV partners are participating together in the present E- TENDER also.	Clause Amended as: In the case individual member of Consortium/JV participating in this E-TENDER, proportionate weightage (as per agreement) will be given to the individual member for the past experience of the similar work executed in consortium subject to submission of consortium agreement.

7.	20	Financial Evaluation Financial Bid	The lowest financial bid complete in all respects shall be selected for award of contract.	Strongly Recommended QCBS (80:20) This is highly specialised job at a very prestigious site and will turn in to a very attractive heritage therefore quality of work and technical superiority must be a prime factor, while finalising the competent bidder for the said work. The practice adopted by almost all the departments PAN India while executing such type of work is quality cost based selection system (QCBS) with higher weightage to technical part (either 80% or at least 70%) For the financial part lower weightage is assigned, (Either 20% or 30%). By adopting this practice it is ensured that the most technically competent bidder is selected for executing such kind of projects. Therefore, you are requested to adopt QCBS evaluation criteria for this tender with either 80:20 or 70:30 (Technical and Financial weightage respectively).	NO CHANGE in the Clause
8.	21	Technical Evaluation Marking Scheme	Experience of applicant/agency in the tendered work (Digital 4K 2D higher on minimum 18 m dia Screen Planetarium System 5 Years- 10 Marks More than 5 years upto 10 years - Bonus 2 Marks More than 10 years –Bonus 5 Marks Maximum Marks - 15 marks		NO CHANGE in the Clause

9.	23		Technical Evaluation Marking Scheme	Operation and maintenance experience for Digital 4k 2D / active 3D Full dome theatre on minimum 18 m dia screen at least for one year Minimum 1 project- 3 Marks 1 Mark for each additional project- 2 Marks 2 Maximum Marks - 05 Marks
10	24	7.1	Time Of completion	Time is the essence of the work. The entire work Request for extension in completion time of NO CHANGE in the Clause comprising dismantling and removal of existing Project projection equipment, other existing installations etc. and 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 shall be completed within 7 (SEVEN) months from the date of placement of confirmed order or opening of Letter of Credit.
11	. 25	9.1	General Terms of Payment	9.1.1. 60% (Sixty percent) of the total sum of the imported items on shipment of the entire materials/consignment and presentation of the dispatch documents.  9.1.2. 40% (Forty percent) of the total sum of the imported items after successful installation, testing and commissioning of the fully integrated high resolution immersive Full dome digital 2D projection system at site and successful running of Full dome 2D large format film shows and planetarium shows".  We kindly request that you consider the following payment terms. Given the high value of the projectors, waiting until the completion Clarified that 60% (Sixty percent) of the total sum of the installation to receive payment may imported items excluding AMC charges will be release on shipment of the entire materials/consignment are documents.  1. 60% against presentation of the dispatch documents at site  2. 30% against the delivery of the entire items at site  3. 10% against the successful installation and commissioning of the system.

12	25	9.2	General Terms of Payment	For annual maintenance contract for two years(beyond the warranty period of three years), the payment shall be made half-yearly on satisfactory completion of the work and this payment schedule shall continue for the entire duration of the contract.	For annual maintenance contract for two yearsthe payment shall be made	
13	31	Secti on 1	Scope of Work	,	•	
14	32	11	Scope of Work	Cleaning of existing Perforated Aluminium Dome screen from inside to make it completely clean and dust free.	· ·	NO CHANGE in the Clause,  Clarified that in case, during process of cleaning of dome screen, any insulation material is required to be replaced, it will be the responsibility of the bidder Further, cost of building a temporary platform and installing moveable scaffolding during execution of the work will be borne by the bidder
15	32	13	Scope of Work	The bidder shall submit detailed layout design, capacity, load calculation, requirement of cooling of projectors etc. for Full dome Theatre including area of placement of projectors, Image Generators, etc. This work will be taken up by the bidder after approval of PGSC.	confirm that for the cooling of the projectors etc, it would be responsibility of PGSC to provide the necessary temperature and humidity conditions near the projection	Clarified that: Arrangement for cooling of projectors and computer rack will be the responsibility of PGSC, however, bidder will be required to provide capacity and load calculation of the air conditioning system to be installed for the same

16	37	2.2.3	Image	Dual Port ATI/NVidia or equivalent graphic card. The Instead of describing a sync method of buffer Clause Amended as:
			Generators	graphic card must have the video frame buffers that usage, we suggest to keep this open and use
				must store and synchronize the video frames so that expressions that describes the actual result Dual Port ATI/NVidia or equivalent graphic card. The
				the same frames are always output at the same time. requested: graphic card must ensure the synchronization of al
				video channels that make up a common overall image
				The dome digital projection system must ensure on the dome so that all images are displayed
				the synchronization of all video channels that synchronously. The areas of overlapping images from
				make up a common overall image on the dome individual projectors (so-called blending) must be
				so that all images are displayed synchronously. invisible to viewers.
				The areas of overlapping images from individual
				projectors (so-called blending) must be invisible
				to viewers.
17	43	6.1.1	Auto	Software, hardware and multi-camera based You are requesting an automatic feature to NO CHANGE in the Clause
			alignment	mechanisms to be included in order to ensure errorachieve calibration and alignment of your
			and	free edge blending / geometric correction on screen projection system. Any camera based system
			calibratio	as well as to maintain uniform colour, and contrast that can achieve the desired result should be
			n	on projectors and dome screen. accepted because what is really important is the
				result and not the number or cameras.
				Therefore, we kindly request that this phrase be
				replaced by the following:
				"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 color,
				brightness and contrast on projectors and dome
				screen."

18 45		Perforate d Aluminu m Dome screen from inside to make it completel v dust	Cleaning of existing Perforated Aluminum Dome screen from inside thorough vacuum cleaning and then cleaning with ph neutral solution from inside to make it completely dust free. The cloth used for cleaning should be very soft, free from fur/tomentum. Cleaning work should be very soft, out with utmost care and safety. Bidders are advised to visit PGSC for physical inspection of the dome screen in order to assess the condition of dome surface and consumables shall be in the scope of bidder for this work. PGSC shall provide electrical connection, lighting and water supply for belongings of the cleaning personnel. Any damage to the dome screen during cleaning due to negligence of the cleaning personnel shall be recovered from the bidder/supplier providing the services  We have conducted a thorough inspection of MO CHANGE in the Clause both the dome and Dome Theater, and would would would would would would would work free. The cloth used for cleaning, should be very soft, free from fur/tomentum. Cleaning should be very soft, free from fur/tomentum. Cleaning work should be very soft, free from fur/tomentum. Cleaning work should be very soft, free from fur/tomentum. Cleaning work should be very soft, free from fur/tomentum. Cleaning work should be very soft, free from fur/tomentum. Cleaning work should be very soft, free from fur/tomentum. Cleaning of did. The interior of the dome screen, any insulation material is required to be form the bidder fur/to the dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be dome screen, any insulation material is required to be accordingly of the bid
-------	--	---	--

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