



# Bhopal Smart City Development Corporation Limited



## 3D WALK-THROUGH

REQUEST FOR PROPOSAL 2017

“Making Animation / 3D visualization walkthrough for Bhopal Smart City ABD project.”

Prepared by

Approved by

Recommended by

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## Bhopal Smart City Development Corporation Limited

### NOTICE INVITING e-TENDER (NIT)

Online Bids are invited from experienced / reputed agencies for the work of Preparation of Making Animation / 3D visualization walkthrough for Bhopal Smart City ABD project. You are requested to quote your most competitive rates for executing the work as per the terms & conditions mentioned below.

**Name of Work: Tender for Making Animation / 3D visualization walkthrough for Bhopal Smart City ABD project.**

Tendering Document No.	MPBSCDCL/TENDER NO -24
Name of the Work	Tender for Making Animation / 3D visualization walkthrough for Bhopal Smart City ABD project.
Brief Scope of Work	Creating and providing a 3D walk through in HD format for 5 minute duration, complete with voice over and music complete for ABD of Bhopal Smart City Project
Period of Completion	Within 30 days of Award of LOI
Earnest Money Deposit	Rs. 50,000 (Fifty thousand rupees only)
Non-refundable cost of e- Tender Document	Rs. 5,000 (Five thousand rupees only)
Purchase of Tender Start Date	01/05/2017 17:00 hrs
Purchase of Tender End Date	13/05/2017 10:00 hrs
Last date & time of submission of Online Tender( Bid Submission)	13/05/2017 16:00 hrs
Date & Time of Opening of technical Tender	15/05/2017 10:30 hrs
Date & Time of Opening of Financial Tender	Will be intimated to the successful bidders.
Validity of offer	90 days from the date of opening of financial bid.

The tender document can be downloaded from [www.mpeproc.gov.in](http://www.mpeproc.gov.in) **“Corrigendum, if any, would appear only on the [www.mpeproc.gov.in](http://www.mpeproc.gov.in) web site and not to be published in any News Paper”**. The tenderer if required may submit queries in writing on E-mail Id. [smarcitycell@bmconline.gov.in](mailto:smarcitycell@bmconline.gov.in) before **09.05.2017 up to 12.00 Noon**.

### **ELIGIBILITY CRITERIA FOR BIDDER**

- Bidder should have Similar Nature work experience means preparation of walkthrough animation film for a real-estate/ infrastructure project with a minimum duration of 2-3 min.
- Bidders Company/organization should be a Private Limited Registered Company
- Average Financial Turnover should be above 1 Crore for last 3 years
- Employee count should be minimum 50 persons with architects on board.
- Firm /company Should have an experience of minimum 10 years
- Should have licensed copy of 3Ds Max and rendering engine
- Should have capability of making highly detailed HD animation with streetscape, landscape, smart features to give realistic look
- Should have satisfactorily completed 2 similar assignments of minimum 100 acre plots.

### **BASIC INFORMATION ABOUT THE PROJECT**

- Project area is of 360 Acres under Area Based Development under Smart City Initiative.
- Project is having 20, 00,000 sq.m of built up.
- 20% (72 acres) inter connected green areas including
  - a. Dussera Maidan
  - b. Stadium
  - c. Central Green Park
  - d. 6 m wide non-motorized pedestrian walkways
- Iconic Building, Government Housing, Control and command center
- Shopping complex (rehabilitation of existing shop owners) and Public Schools,
- Space for haat (rehabilitation of informal vendors) with tensile fabric cover
- 2 elevated metro lines passing through the ABD area
- 3 Major transit nodes including interchange station
- BRTS route touching the site.
- Existing nala-Banganga along the west periphery of the plot, developed like a river front
- Existing market and major Roshanpura junction in the north of the site.

Over and above the list of components given under Basic Information of the project, the following Smart City Initiatives in built form to be represented in the walk through, following items should be highlighted /focused upon during three to five minutes of walkthrough:

- 45 m wide tree lined Boulevard Street with wide pedestrian pathways, retail on either side, street furniture (benches, flower beds, cycle stands, signages, and dust bins), bus stops, cycle tracks, parking spaces and smart poles.
- Control and command Center
- Minimum front and side margins and 50 % ground coverage to increase road safety
- No compound walls
- Tree lined roads
- Solar panels on roof tops
- Public transport - BRTS, Metro, Buses
- Cycle tracks and parking spaces
- Multi Modal transit nodes - Metro, bus, e rickshaws and pedestrians
- Smart Poles, Intelligent Traffic Management System with cameras
- Detailed road cross sections with bus stop, median, junctions, street furniture
- Polishing Treatment Unit (Ultrafiltration and UV)
- SBR based Sewage Treatment Plant
- Elevated Service Reservoirs, Recycling water pumping station
- Automated Solid Waste Transfer Station and Substations

**A.Scope of Work:** Creating and providing a 3D walk through in HD format for 5 minute duration, complete with voice over and music complete for ABD of Bhopal Smart City Project All low resolution still images of walk through to be created by vendor, for approval by the client Before starting of rendering of walk through, a grey scale version of walk through preview to be submitted for approval by the client. Script for the voice over to be submitted beforehand for approval by the client.

**1. 3-D exterior modeling :**

- (i) Exterior of building modeling
- (ii) Landscape
- (iii) Layout, Roads ,utility tunnel and Parking

**2. 3-D Interior Modelling:**

- (i) Main entrance, lobby area, waiting and reception
- (ii) Interior of the office space & corridor
- (iii) Interior for exhibition space
- (iv) Interior for conference room, common toilet, cafeteria
- (v) Logo Animation

**3. Animation and Rendering**

- (i) Total duration of the film shall be of 5 minutes which shall consist of 3-D animation (with V-RAY render quality) including of exterior and interiors. The balance duration shall be recording of actual live shoots / views showing location / locational advantage etc. However, these are tentative time-frames. The actual time-frame of interior/ exterior animation may vary within the total stipulated duration as per requirement and directions of Officer-in-charge.

**4. Editing**

- (i) Mixing of voice over and animation.
- (ii) Mixing of voice over, animation and video shoots.
- (iii) Animation for logos, addition of text and other effects

**5. Scripting and voice over**

- (i) Script in English and Hindi
- (ii) Voice Over in Studio by Expert Artist (Hindi and English)

**6. Video Shoots:** Video shoots if required showing locational advantage including connectivity, greenery etc.

**7. Output Format:**

The output should be made available to Bhopal Smart City Development Corporation Ltd. in any two formats out of the following formats as per the directions of Bhopal Smart City Development Corporation Ltd.:

Film resolution: 1920 x 1080

Frames per second: 25

Output formats:

- 1) Full HD film in mp4 (1080 p)
- 2) Half HD Film in mp4 (720 p)

Walk through to be provided in various video formats as required by the client.

The film is to be displayed on a large watch out screen of size 32 ft. x 16 ft. or equivalent. The resolution of the animation film should be adequate for display on such large screen without compromising on visual qualities.

- 8. Hi-Resolution Images:** The agency to also provide 3-4 Nos. High Resolution views / images from the walkthrough animation as selected by the Officer-in-charge on CD or Email suitable for proper display on hoardings of size at least 20 ft. x 10 ft.

**B. Deliverables:** Two copies of the walk through as specified in scope & specifications, on 2 DVDs and as per the requirement of Bhopal Smart City Development Corporation Ltd.

**C. Timelines:** The work assignment shall be completed and submitted to Bhopal Smart City Development Corporation Ltd. Within 30 days of Award of LOI

#### **D. Mandatory Bid**

Mandatory Bid documents shall be uploaded containing the following:

- i. Forwarding letter of tender,
- ii. EMD of **Rs 50,000/-** shall be paid online through [www.mpeproc.gov.in](http://www.mpeproc.gov.in) by NEFT/RTGS
- iii. Tender Purchasing fees proof.(receipt)

#### **F. Technical Bid**

Technical Bid documents shall be uploaded containing the following:

- I. Copies required document to meet eligibility criterion , work order and completion certificate of the work as proof of experience towards the eligibility criteria.
- II. In case of work executed for Private Party, copy of TDS certificate also to be enclosed.
- III. Company Registration Certificate
- IV. Certificates of TAN /PAN/ESIC/EPF/Service Tax/Sales Tax proof should be uploaded
- V. Proof issued by Certificated Chartered Accountant (C.A.) of Average Financial Turnover for last 3 years (2013-14/2014-15/2015-6)
- VI. Licensed copy of 3Ds Max and rendering engine
- VII. Certificates of work completion of two similar assignments of minimum 100 acre plots.

## **G. General Conditions of Contract. (GCC)**

1. All documents of tender containing the complete tender document shall be uploaded online.
2. The technical bid of all bidders shall be opened at 15/05/2017 10:30 hrs, in the presence of the authorized representatives of the bidders who choose to be present.
3. Financial bids of only technically qualified bidders shall be opened at a later date/time to be intimated separately to the qualified bidders.
4. **Criteria for Award of work:** The work shall be awarded to the bidder quoting the lowest bid value in the price bid subject to having qualified in the technical qualification criteria. Decision of the Corporation in this regard shall be final and binding upon all the bidders.
5. **No alternations shall be made in the tender document supplied/ uploaded from the website. Bidder by submission of this tender shall be deemed to have accepted all the terms and conditions contained in the tender document.**
6. The quoted rates shall be for the complete work and shall be inclusive of the cost of all materials / tools and plants, computer hardware & software, labour, cartage and taxes, as applicable etc. However, the soft-copies of the building and landscape drawings (in AutoCAD) shall be provided by Bhopal Smart City Development Corporation Ltd.
7. The total time stipulated for completion of the work shall be 28 days from the date of issue of work order. The preview animation shall be submitted by the agency to the Officer-in-Charge for the approval within 14 days from the date of issue of work order. However, if need be, the Corporation may consider Extension of Time beyond the stipulated period to the agency based on the merit of the case. The agency, in no case, shall claim it as the matter of right and the decision of the Corporation shall be final & binding on the Agency
8. In case quality of the work executed by the contractor is found to be poor and not to the satisfaction of Officer-in-charge, Bhopal Smart City Development Corporation Limited reserves the right to not to release any payment to the agency and the security deposit shall also stand forfeited in such event.



9. Liquidated Damages @ 1% of the value of work order shall be levied on the agency for each day of delay in completion of the work subject to a maximum of 10% of the value of work order.
10. Earnest Money Deposit (EMD) for an amount of Rs.50,000/- (Fifty Thousand Only) shall be pay online through [www.mpeproc.gov.in](http://www.mpeproc.gov.in) Any offer not accompanied by the EMD in prescribed form shall be rejected. The EMD pay by the unsuccessful bidders shall be returned without any interest.
11. However, EMD of the successful bidder shall be retained and converted into a part of the Security Deposit (SD). The Security Deposit shall be deducted @5% of gross value of each running bill after adjusting amount of EMD converted into SD and shall be returned after 30 days of successful completion of the work. No interest shall be payable on the amount of Security thus deducted.
12. Payment Schedule- The schedule of running payment to be made to the agency shall be as follows:
  - 50% Advance payment at the time of awarding contract against the BG
  - 25% payment at the time submitting grey scale walk through
  - 25% Final payment at the time of final product delivery.
  - No payment shall be made if the work is delayed more than 7 days from scheduled date of completion
13. If requested by the agency in writing within 7 days of the issue of work order, Mobilization Advance not exceeding 10% of the tendered value may be given. However, such advance shall attract interest @ 15% per annum and shall be released only on furnishing a Bank Guarantee from Scheduled Bank (in the prescribed proforma) of equivalent amount including the element of interest which will be chargeable from the date of release of advance till the date of its full recovery. The advance shall be recovered in full from the first Running Bill. The BG shall be released only after full recovery of the mobilization advance, if any, paid.
14. All the payments shall be released subject to statutory deductions, as applicable. The work shall be executed to the satisfaction of Bhopal Smart City Development Corporation Ltd.
15. Bhopal Smart City Development Corporation Ltd. reserves the right to reject/ cancel one or all offers without assigning any reason.
16. It shall be the sole responsibility of the agency to use only appropriate licensed software for executing this assignment. The agency shall indemnify and keep indemnified the Corporation against any copyright infringement by them in this regard.

17. Before submitting the tender, the bidder should satisfy himself that he has adequate infrastructure/ resources in terms of manpower and computer hardware, software etc. to complete the work in all respect. The agency shall not sub-let the work during any stage of the contract.
18. The 3D-Models, Design, Animation Film and related details prepared and acquired by the agency for the work entrusted to him under this work will become the property of Bhopal Smart City Development Corporation Ltd.. The 3D-Models, Design, Animation Film and related details cannot be issued to any other person, firm or authority or used by the agency for any other project without prior written permission of Bhopal Smart City Development Corporation Ltd.. However, the 3D-Models, Designs, Animation Film and related details can be utilized by Bhopal Smart City Development Corporation Ltd. for other works and agency shall not have any objection whatsoever.
- 19. Any conditional tender is liable to be rejected.**
20. The tender document with all terms & conditions contained herein along with Annexure-I shall form the part of the agreement. All the pages of this tender document shall be signed with seal by the bidders and enclosed with the price bid.
21. Bidding can be done through the online E-tendering portal of [www.mpeproc.gov.in](http://www.mpeproc.gov.in)
22. EMD in the form of Bank Guarantee will not be accepted.
23. All the documents shall have to be submitted online, anything in the form of hardcopy will be rejected.
24. Copy of Documents shall be submitted online as per the eligibility Criteria.

**Annexure-I**

**MPBSCDCL/TENDER NO -24: Making Animation / 3D visualization walkthrough for Bhopal Smart City ABD project**

**Name of Bidder:**\_\_\_\_\_

**Financial Bid**

I / We hereby agree to execute the work as defined in the scope of work and also agree to abide by all the terms and conditions put forth in the said tender document enclosed and my/ our fee for all the above services will be Rs.\_\_\_\_\_ (Rupees\_\_\_\_\_ Only) inclusive of all taxes but excluding service tax which shall be payable as per applicable rules. The above fee shall remain firm till the completion of the work in all respect.

**Authorized Signatory along with seal**