

**JAWAHARLAL NEHRU PLANETARIUM (JNP)**  
**Bangalore**

[A part of Bangalore Association for Science Education (BASE)]

**REQUEST FOR PROPOSAL (RFP)**

**FOR**

Supply, manufacture, shop assembly, transport, erection, inspection testing and commissioning of Catwalk made using stainless steel 304 around the Telescope Observatory as per enclosed specification.

*(This document contains 20 pages including this cover page and drawings.)*

*This document can be obtained against payment of Rs.500/- in the form of Demand Draft issued by a scheduled commercial bank favoring "Bangalore Association for Science Education", payable at Bangalore. The RFP document so purchased is not transferable.*

**Purchaser of the tender document**

Name :  
Address :  
Demand Draft No : dated  
D.D. drawn on :  
RFP document given by :  
Date given :

***Scope of Work***

Supply, manufacture, shop assembly, transport, erection, inspection testing and commissioning of a Catwalk in stainless steel 304 around the Telescope Observatory as per enclosed specification.

***Tender Notice***

The Jawaharlal Nehru Planetarium (JNP), henceforth the purchaser, invites sealed offers from established Manufacturers, henceforth Vendors, for Supply, manufacture, shop assembly, transport, erection, inspection testing and commissioning of a Catwalk around the Telescope Observatory as per enclosed specification. RFP forms can be purchased from JNP, Bangalore, during 10:15am to 5:15pm on all working days, Mondays and Second Tuesday of each month are holidays for JNP, at the following address:

Jawaharlal Nehru Planetarium  
Sri. T Chowdaiah Road, High Grounds  
Bangalore - 560 001  
CONTACT PERSON: Smt. G K Rajeshwari  
CONTACT TELEPHONE: 2226 6084 / 2237 9725

<i>Date of commencement of issue of RFPs</i>	:	<i>July 20 , 2010</i>
<i>Pre-bid Meeting at JNP and closure of issue/sale of RFPs</i>	:	<i>July 30, 2010 at 4:00 pm</i>
<i>Last date for submission of RFPs</i>	:	<i>August 6, 2010</i>
<i>Opening of Bids</i>	:	<i>August 8, 2010 at 3:00 pm</i>

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## ***1. ELIGIBILITY CRITERIA***

1. Vendor should have reputed background and should be well established in doing heavy mechanical fabrication works in India for at least five years. Copies of work orders executed may be submitted along with a RFP to demonstrate Vendor's eligibility.
2. The vendor must have adequate infrastructure, skilled manpower, inspection & testing equipments along with the desired working machines & equipments. Vendor must enclose relevant information in the form of brochures, leaflets, manuals etc. to support his technical competence for this job.
3. The vendor shall provide the relevant Income Tax Clearance Certificate/s for the previous financial year with the RFP.
4. The Vendor must comply with all the above mentioned criteria. Non-compliance with any of the criteria will entail rejection of the offer summarily. Photocopies of relevant documents / certificates should be submitted as proof in support of the claims made. JNP reserves the right to verify / evaluate the claims made by the vendor independently.

## 2. TERMS AND CONDITIONS

### 2.1 Scope of supply

Supply, manufacture, shop assembly, transport, erection, inspection and commissioning of a Catwalk around the Telescope Observatory as per enclosed specification.

As necessary requirements for the manufacture of the Catwalk, the manufacture of the following items comes under the scope of contract.

1. Any jigs, fixtures, gauges and tooling necessary to complete the fabrication, assembly, inspection and erection of the Catwalk at the site of JNP.
2. Providing necessary facilities, tools and tackles, instruments and erection equipments for the fabrication and erection of the catwalk at the site.

### 2.2 Terms of execution of work

The vendor shall fabricate and install the Catwalk at JNP within two months from the date of receiving the intimation from the JNP, failing which the JNP reserves its right to levy liquidated damage as prescribed hereunder:

### 2.3 Submission of Offers

#### 2.3.1 Offer

The offer must be submitted giving full particulars, addressed to Director, JNP and duly super-scribed "*Offer for Catwalk*". The financial offers shall be in a separate sealed envelope.

#### 2.3.2 Bid Security

A refundable Bid Security of Rs.10,000/- (Rupees Ten thousand only) in the form of a demand draft issued by a scheduled commercial bank favoring "Bangalore Association for Science Education" payable at Bangalore, must be submitted along with the offer. Offers submitted without the prescribed bid security amount will be summarily rejected. This amount will be refunded after evaluation of bids but will be forfeited only if the vendor refuses to accept the purchase/work order or having accepted the purchase/work order, fails to carry out his obligations mentioned therein. **No interest will be payable on the Bid Security amount.**

### **2.3.3 Offer Validity Period**

The offer should remain valid for a period of at least 30 days from the date of opening of tender.

**2.3.4** The offer should be complete in all respects and contain all information asked for in this document. Vendor should attach Annexure - A with his offer.

**2.3.5** It is mandatory to understand and accept the technical specifications as per the Annexure B along with the offer. JNP, at its discretion, may not evaluate an offer in case of non-submission or partial submission of technical details.

The offer must be submitted in an organized and structured manner. No brochures/leaflets etc., should be submitted in loose form.

The offer should comprise of the following:

1. Documents in support of the background of manufacturer as established in doing heavy mechanical Fabrication works in India for at least five years.
2. Documents in support of infrastructure, skilled manpower, inspection & testing equipments along with the desired working machine & equipments in the form of brochures, leaflets, manuals etc.
3. One year comprehensive on site warranty for the fabricated and assembled structure of the catwalk should be offered by the manufacturer and must be on manufacturer's original letterhead.
4. Bid Security of Rs.10,000/- (Rupees Ten Thousand only) in the form of a demand draft issued by a scheduled commercial bank favoring "Bangalore Association for Science Education", payable at Bangalore.

### **2.3.6 Erasures or Alterations**

Technical details must be completely filled up. The corrections or alterations, if any should be authenticated.

### **2.3.7 Price Composition**

The price quoted should be only in Indian rupees and inclusive of the following

1. Cost of the item.
2. All taxes, duties and levies
3. Transportation and Forwarding charges to respective sites, if applicable.

Prices which are not quoted as above will lead to summary rejection of the offer.

Total cost of ownership for the items will be taken for cost comparison.

### **2.3.8 No Price Variations**

No escalation in cost will be allowed under any circumstances.

### **2.3.9 Opening of Offers and Evaluation Criteria**

Eligibility criteria shall be evaluated first. The financial offers of only those vendors who fulfill the eligibility criteria will be considered.

Offers will be opened at JNP. No separate intimation will be given in this regard to the vendors, for deputing their representative.

### **2.3.10 No Commitment to Accept Lowest or Any Tender**

The JNP shall be under no obligation to accept the lowest or any other offer received in response to this notice and shall be entitled to reject any or all offers without assigning any reason whatsoever. The final decision shall rest with the Director, JNP.

### **2.3.11 Price Correction**

Figures and words ----- Words will prevail

Individual items and total ----- individual price will prevail

### **2.3.12 Inspection**

As a part of evaluation criteria, the JNP will inspect the works of the manufacturer before placing the purchase order through its staff/consultant for authentication of the various technical parameters being claimed by the vendor. Inspection will be carried out by the JNP through its staff / consultant at vendor's factory/site. However, not allowing full cooperation in this regard will disqualify the vendor and his offer will be rejected summarily. Manufacturer will furnish the inspection reports of all the materials, parts, sub-assemblies & assemblies to JNP during the course of manufacture. The manufactured parts will be inspected, assembled and approved by the JNP staff along with their consultant before the transport and erection at JNP site.

## **3. OTHER TERMS AND CONDITIONS**

### **3.1 Contract Agreement**

A standard contract agreement between the vendor and the purchaser will need to be executed.

### **3.2 Payment Terms**

The terms of payment will be as follows:

1. 50% of the contract value of the catwalk will be paid after inspection and approval of the materials brought in to the JNP, the payment will be made only against inspection and approval reports along with the invoice.
2. 35% of the contract value will be paid after satisfactory erection of the catwalk at JNP site.
3. The balance 15% will be paid after performance evaluation of the catwalk against performance Bank Guarantee of 10% of total order value valid for the warranty period.

### **3.3 Liquidated Damages**

Notwithstanding the JNP's right to cancel the order, 0.5% of the order value per week would be payable to the JNP for every week's delay in the execution of this purchase/work order beyond the specified delivery/installation schedule subject to a maximum of 5% of the value of the order. JNP reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by the JNP to the firm. Part of week will be treated as a week for this purpose. However liquidated damages may be waived depending upon the reasons of delay on mutually agreed basis between Vendor & JNP.

### **3.4 Order Cancellation**

If the vendor fails to deliver the equipment within the stipulated time schedule or the extended date communicated by the JNP, it will be a breach of contract and will result in forfeiture of bid security money along with cancellation of his tender.

The JNP reserves its right to cancel the order in the event of delay in delivery / installation / commissioning of the items.

### **3.5 Guarantees**

Vendor should guarantee that the items delivered to the JNP are of required quality. The manufacturer should also guarantee that all the items supplied by the manufacturer are legally obtained. The items should be delivered in proper packed condition.

### **3.6 Dispute Settlement Mechanism**

1. Notices in writing
2. Decision of purchaser in specified period
3. Arbitration as applicable under the Arbitration Act
4. Contract jurisdiction is strictly limited to the City of Bangalore, Karnataka
5. In case of pre-closure of contract due to inability of the contractor while work is in progress, the purchaser reserves the right to get the remaining job/work done at the risk and cost of the original contractor.

**Annexure A - Offer**

**(Letter to the JNP on the vendor's letterhead)**

To

The Director  
Jawaharlal Nehru Planetarium  
Sri. T Chowdaiah Road, High Grounds  
Bangalore - 560 001

Dear Sir:

**Sub : Request for Catwalk around the Telescope Observatory**

**Ref: Tender No. \_\_\_\_\_**

With reference to the above request, having examined and understood the instructions, terms and conditions forming part of the RFP, we also submit required information in the following format:

<b>Parameter</b>	<b>Vendor's response</b>
Details of infrastructure, skilled manpower, inspection and testing equipments (Enclose relevant information in the form of brochures, leaflets, manuals etc., to support technical competence for this job)	
Year of establishment for manufacturing business in India	
Acceptance of technical specifications as per Annexure 'B' and assembly drawings	
Acceptance of the responsibility of the manufacturer to undertake the supply, manufacture, shop assembly, transport, erection, inspection and commissioning of the Catwalk as per enclosed specifications, for JNP, as a complete job without any extra claims.	
Acceptance of one year on site warranty of the fabricated catwalk after successful erection of Catwalk at JNP.	

We further confirm that the offer is in conformity with the terms and conditions as mentioned in your above referred proposal and enclosures.

We also confirm that the offer shall remain valid for thirty days from the date of opening.

We also understand that the JNP is not bound to accept the offer either in part or in full and that the JNP has right to reject the offer in part or in full without assigning any reasons whatsoever.

We enclose Demand Draft for Rs.10,000/- (Rupees Ten thousand only) favoring "Bangalore Association for Science Education", payable at Bangalore, towards bid security, details of which are as under:

1. Demand Draft No : \_\_\_\_\_
2. Date of Demand Draft : \_\_\_\_\_
3. Name of the issuing Bank : \_\_\_\_\_

Yours faithfully,

Authorized signatories  
(Name & Designations, seal of the firm)

Date:

**Annexure B**

**Technical Specification of the Catwalk around the Telescope Dome**

**CONTENTS**

- 1. Description**
- 2. Drawings**
- 3. Manufacture and Assembly**
- 4. Surface Treatment**
- 5. Erection**

## **CATWALK AROUND THE TELESCOPE DOME AT JNP**

### **TECHNICAL SPECIFICATION**

#### **1. Description**

Fabrication of the catwalk strictly as per the specifications and details provided in the Drawings 1 to 4

#### **2. Drawings**

The drawings as well as those specifications form the composite technical specifications for the catwalk around the telescope dome. In case of doubt arising about the specifications, the vendor shall obtain the required clarification from the purchaser.

Following drawings form a part of this document:

DRAWINGS 1 to 4

#### **3. Manufacture and Assembly**

##### **3.1. Raw Materials**

Raw materials used for manufacture shall conform to the specification given in the drawings/lists of parts. Use of materials other than specified would be permitted only if prior approval for the same is obtained from the purchaser.

In cases of plates undergoing machining, the drawings specify only the finished thickness required (even where plate or bar sizes are given) to be maintained after machining. Plates/bars having adequate size to accommodate required machining allowance, errors in weld fit up, and distortion during welding and heat treatment shall be used.

### 3.2. Manufacture

It is essential that the processes and machines used for manufacture would be of appropriate type and precision necessary to meet the dimensional and geometric tolerances specified in the drawing. Manufacturer shall permit access to the purchaser or his representative to assess the machines on which the components would be manufactured. Manufacturer shall adopt processes and methods appropriate for meeting specifications of the drawings/documents and ensuring quality of the components.

Noted below are some important aspects of manufacture.

1. All gas cut surfaces shall be ground or machined minimum 1 mm below the cut surface.
2. Necessary land/root gap shall be maintained between the mating edges/surfaces for the butt and fillet welds.
3. Stress relief or heat treatment, if specified, shall be carried out leaving sufficient allowance for machining after the heat treatment to maintain the dimensional and geometric tolerances.
4. Machines and manufacturing processes used shall be such that specified accuracies shall be easily achievable.
5. Where drawings call for certain machining operations to be done during or after assembly, they shall be carried out only at the assembly site and following notes given in the component/assembly drawings. Purchaser shall be contacted for guidance if no specific instructions are provided in the drawings for such an operation.
6. Some of the work can only be completed while or after installing the sub-assemblies after the erection of the catwalk. Such work will be done only at site. However trial fit up/assembly at work is necessary to finalize dimensions and minimize work at site.

#### **4. SURFACE TREATMENT**

Surface treatment to be given to each component is specified in the drawing. Noted below are the general guidelines to be followed.

##### **4.1 General Instructions**

1. Surfaces shall be ground free of weld spatter, tack welds and burrs before giving any surface treatment.
2. All the un-machined surfaces of the components and structural items of the catwalk shall be buffed.

#### **5. ERECTION**

The catwalk will be erected around the telescope observatory building as per the specification and details indicated in the Drawings 1 to 4 in the stipulated time.

**Annexure C - Price Offer**

**(On Vendor's letterhead)**

**Items to be considered for total cost of ownership**

Items	Price (Rs.)	
	In figures	In words
Total cost separately for (1) Supply, manufacture, shop assembly (2) Erection, inspection and commissioning of Catwalk at JNP, Bangalore, as per enclosed specifications		
Taxes, duties and levies		
Transport and forwarding charges		
Total		

(Signature Authorised Representative)

Seal :

Date :

**Annexure D - Drawings****List of Drawings**

1	Section showing the proposed catwalk
2	Typical cross section of the catwalk
3	Plan of proposed catwalk
4	Typical cross section of the catwalk

**Note : Vendor should be ready to accept minor modification in drawings/specifications if needed for functional requirements of the catwalk without any extra claims.**