

**SCHEDULE OF QUANTITIES
FOR AUDITORIUM AT
MATA VAISHNO DEVI SHRINE TRUST, KATRA, JAMMU**

STAGE EFFECTS LIGHTING SYSTEM

ARCHITECTS: -

Structure & Foundations Pvt Ltd
N-3, kaljkaji, New Delhi

CONSULTANTS:-

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1.0 NAME OF WORK

Providing & fixing of Stage lighting system for Auditorium at Mata Vaishno Devi Shrine Trust , Katra Jamuu

1.1 QUALIFICATION FOR ELIGIBILITY TO TENDER:-

The tenderer should be specialist in the field of stage lighting work and should have successfully completed at least two similar types of works for Auditoriums during last Three years of not less then 10 lacs(ten Lacs) value. For which the tenderer shall have to produce supporting documents giving date or award, date of commencement etc from the concerned competent authority in proof there of.

2.0 PROCEDURE OF TENDERING

The procedure for submission of tender document is as follows which should be strictly followed and no deviation in the procedure will be accepted.

- a) Submission of technical bid & financial bid.
- b) Conferencing with the bidders for technical discussions.

3.0 SUBMISSION OF TECHNICAL BID:-

The following documents should be submitted in two sealed envelope super scribed as "Technical bid " & " Financial bid" in separate cover which should reach this Office.....
on or before ----- at -----.

- a) Both these sealed envelopes should be kept in a third envelope and sealed and super scribed as "Technical bid with EMD".
- b) List of similar type of jobs executed in the past and date of having successfully completed from concerned competent authority in proof there of.
- c) Technical leaflets of important material proposed to be used.
- d) Deviations from the commercial technical specifications to be spelled out separately giving reasons for such deviations. However , acceptance of these by the competent authority depend on the Consultants decision.

4.0 FINANCIAL BID :-

The documents to be submitted with financial bid are as follows :

- a) The contractor should give his Rates both in figures and in words duly filled in the bill of quantities in a separate sealed envelope super scribed as "PRICE BID".
- b) All entries (individual rates, sub-totals & grand totals) should be filled in English alphabets and Arabic numerals only either typed or clearly hand written by ball point pen. All correction if any made by the bidder should be initialed as many times as corrected.
- c) On tender scrutiny, if difference is found in rates given by the bidder in words and figures in individual rates or in sub-totals or in grand totals the procedures for deriving the final value shall be as follows.
- d) The item rates quoted by bidder shall be taken as correct in cases where amount worked out of any item does not correspond to the rates written in figures or words.
- e) For items where the bidder has not written item rates the highest rates quoted shall be taken as correct for such items for loading purposes and lowest rates for execution purposes.
- f) Bids can be sent by registered post at the risk and responsibility of the bidder. Any bids received after the time and date of submission of bids shall not be entertained.
- g) Before submission of the bids, the bidders are advised to visit site and get acquainted with site conditions, availability of materials/labour. All clarifications must be sought by the bidders well in time and no extension of time shall be given on this account.
- h) The bidders are advised to account for any fluctuations in market rates of material/equipment cost/labour rates. Any claims on these accounts shall not be entertained after the award of work unless specifically agreed to.
- i) Bids not submitted on prescribed form is liable to be rejected. Bidders are advised to quote original offer as per bill of quantities.
- j) In case drawings and details are not enclosed with tender documents, these can be seen in the office, not availing this, shall not relieve the bidder of his responsibility of correct interpretation of work involved. Bidders who resort to canvassing in any form shall be liable for rejection.
- k) Bidder also has to submit shop drawings & as built drawings for approval of the consultant.

5.0 PRINTED CONDITIONS OF CONTRACT:-

Any printed conditions and conditions contrary to these conditions of contract in contractors offer shall be excluded from the contract and shall not be applicable to this contract.

6.0 VALIDITY :-

The tender shall be valid for acceptance for a period of 60 days from the date of submission of the tender.

7.0 GUARANTEE:-

The bidder should offer full guarantee of Six months for complete work from the date of satisfactory handing over of the site as certified by the consultants for faulty/bad workmanship, manufacturing defects in works. The tenderer shall guarantee the works to maintain quality on the basis of design/scheme. They shall also guarantee that the performance of the work executed shall meet the requirement as specified in work specifications.

8.0 REPAIRS/REPLACEMENTS OF WORK DURING GUARANTEE :-

Any defects or other faults which may appear within defect liability/guarantee period of Six months satisfactory working conditions, arising in the system due to material or workmanship should be corrected and replaced with parts of original specifications and makes by the contractor at his own cost.

9.0 FORCE MAJEURE

Any delay in or failure of performance of either party hereto shall not constitute default hereunder or give to any claims for damages if and to the extent such delays or failure of performance is caused by occurrence such as Acts of God or the Public enemy; expropriation or confiscation of facilities by Government authorities, compliance with any order or request of any Governmental authority, acts of way, rebellion or sabotage or damage resulting therefrom, fires, floods, explosion, riots or illegal strikes. The Contractor shall keep record of the circumstances referred to above which are responsible for causing delays in the completion of work and bring these to the notice of the Engineer-in-Charge.

10.0 RIGHTS OF OWNER TO FORFEIT SECURITY DEPOSIT

Whenever any claim against the Contractor for the payment of a sum of money arises out of or under the Contract, Owner shall be entitled to recover such sum by appropriating in part or whole, the security deposit of the Contractor and to sell government securities, etc. forming whole part of such security. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable, as the case may be, shall be deducted from any sum then or which at any time there after may become due to the Contractor under this or any other contract with Owner and should this be not sufficient to cover the recoverable amount the Contractor shall pay to Owner on demand the balance remaining due.

WORKS MATERIALS SPECIFICATINS

GENERAL:-

This part of the tender documents is to be read in conjunction with general conditions of contract, as applicable to civil work, and other articles forming part of this document

SCOPE OF WORK :-

The work to be performed under these specifications includes all material, equipment, labour and services to install the stage lighting system.

1.1 The work will include all necessary material, bolts, nuts, fasteners, nails, screws, wooden plugs, hangers, supports, sleeves and other attachments as may be required in the work

1.2 For details of building construction refer Archietct's and structural drawings.

1.3 The tenderer is supposed to follow the manufactures instructions for material installation and the same shall be deemed to have been included in the scope of work.

1.4 The work shall be co-ordinated with other contractors whose work may be affected or have an effect on the installation of the wall/roof insulation.

1.5 All fixtures etc not specifically mentioned but are required for safety and finishing of work are deemed to be included and are to be carried out.

1.6The tenderer shall take a work insurance policy in favour of his labour . The Client will not be responsible for any mishap etc at site.

1.7 Electricity & water will be provided at one point at site by client free of charge.

1.8 All concealed/ exposed metal frames, cleats etc to be given two coats of red oxide primer.

TECHNICAL SPECIFICATIONS OF STAGE LIGHTING

1. 2000W plano convex spot light

Specifications
<p><i>2000W Plano convex light spherical anodized finish consisting of bipin C41 halogen lamp Lens : 200mm dia PC lens Socket G-38 base with front & rear rotating nob for focusing. Approved Make : Modern Stage Services (MS 56) or equivalent</i></p>

2. Halogen Profile Spot Light

Specifications
<p><i>1000W Halogen profile light consisting of 2 Nos. 150mm dia PC lenses, imported socket, ellipsoidal anodized aluminium reflector, 1000W halogen bipin T-11 lamp, yoke colour frame & Suitable clamp Approved Make : Modern Stage Services (220 H) or equivalent</i></p>

3. Fresnel Halogen Spot Light

Specifications
<p><i>1000W Halogen Fresnel light consisting of 1000W halogen bipin T-11 lamp, 150mm dia imported fresnel lens, Imported socket, bottom sliding knob, yoke, colour frame & Suitable clamp Approved Make : Modern Stage Services (SAPPHIRE 1000) or equivalent</i></p>

4. Halogen flood Light

Specifications
<p><i>1000W Halogen light with mash & barndoor consisting of 2 nos. single contact compressible holders, yoke, 1000W halogen tube & Suitable clamp Approved Make : Modern Stage Services (HL-44) or equivalent</i></p>

5. Plano-Convex Spot Light

Specifications
<p><i>1000W Halogen Plano-convex spot light complete with 1000W halogen bipin T-11 lamp, spherical anodized reflector, imported socket, 150mm dia planoconvex lens, bottom sliding knob, yoke, colour frame & Suitable clamp Approved Make : Modern Stage Services (SL-35H) or equivalent</i></p>

6. 1000W PAR

Specifications
1000W Par having color temp of 3200K with bipin holder matt balck finish Approved Make : Modern 64) or equivalent

7. Telescopic Stand

Specifications
3 section telescopic stands made of steel tube Approved Make : Modern Stage Services (N 1) or equivalent

8. Halogen flood Light

Specifications
500W Halogen Cyclorama Flood lights with 500W halogen tubes. Aluminium anodized reflector, 2 nos. compressible recessed single contact holders, colour frame & Suitable clamp Approved Make : Modern Stage Services (HF-500) or equivalent

9. Floor mounted dimmer rack

Specifications
Consisting of 18nos single phase 4 KW electronic dimmers to be distributed in 3 phases with suitable bus bar arrangement housed in sheet metal enclosure 0-10 volt analogue output, blown fuse indicator, output light indicator & local controls. Approved Make : Modern Stage Services (XL 20-18) or equivalent

10. 24 channel control panel

Specifications
24channel control panel 2 sub masters 1 master fader blanker switches analogue & DMX output. Approved Make : Modern Stage Services (Level plus 24) Zero 88 or equivalent

**ESTIAMTED COST OF STAGE LIGHTING OF AUDITORIUM
AT MATA VAISHNO DEVI SHRINE TRUST, JAMMU**

S.no	Description	Qty	Rate	Amount
1.	1000 W Halogen profile light consisting of 2 nos. 150mm dia PC lenses, imported sockets, ellipsoidal anodised alluminium reflector, 1000W halogen BipinT-11 lamp, yoke colour frame & suitable clamp Type MODERN -220. Make : Modern Stage Service Or Equivalent	8		
2.	1000W Halogen Fresnal light consisting of 1000W Halogen Bipin T-11 lamp, 150mm dia imported fresnel lens, Imported socket, bottom sliding knob, yoke, colour frame & suitable clamp. Type SAPPHIRE -1000. Make : Modern Stage Service Or Equivalent	8		
3.	1000 W Halogen light with mash & barndoor consisting of 2nos. single contact compressible holders, yoke, 1000W halogen tube & suitable clamp Type HL-44. Make : Modern Stage Service Or Equivalent.	4		
4.	1000W halogen plano convex spot light complete with 1000W halogen Bipin T-11 lamp, spherical anodised reflector, imported socket, 150mm dia plano convex lens, bottom sliding knob, yoke, colour frame & suitable clamp Ype SL-35H Make : Modern Stage Service Or Equivalent	10		
5	2000W Planoconvex Spot Light complete with 2000W Halogen Bipin CP-41 lamp, spherical anodised reflector, 200 mm dia Planoconvex lens, rear sliding knob, yoke, colour frame & suitable clamp. Type : MS-56. Make : Modern Stage Service or equivalent	4		

6.	1000W, 240Volt, PAR Sealed Beam Light with CRC Sheet Metal and aluminium die casting, mat black color, yoke & clamp Type : Modern-64 Make : Modern Stage Service Or Equivalent.	20		
7.	Light Bars out of 48mm dia MS pipe supported / hung from the suspension grid/ RCC slab	40 MTR		
8.	500W Halogen cyclorama flood lights with 500W halogen tubes. Aluminium anodised reflector 2nos compressible recessed single contact holders colour frame & suitable clamp Type HF : 500 Make : Modern Stage Service Or Equivalent	16		
9.	DIMMER RACK Consisting of 24 nos single phase 4 KW electronic dimmers to be distributed in 3 phases with suitable bus bar arrangement housed in sheet metal enclosure 0-10 volt analogue output, blown fuse indicator, output light indicator & local controls. Make : Modern Stage Service Or Equivalent model: (XL 20-24) or equivalent	1		
10.	24channel control panel 2 sub masters 1 master fader blanker switches analogue & DMX output. Approved Make : Zero 88 , U.K. Model: Level plus 24or equivalent.	1		
11.	Cyclorama P/f of the cyclorama on the stage consisting of the 48MM OD MS Pipe frame as per the drgs finally covered with matt white PVC cyce cloth.	40 Sqm		
12.	Set Bar P/f of the set bars made out of 48mm dia pipe complete with winding rope & drum for manual operation.	2 nos		
13.	SIDE LADDERS P/f of the side ladders made out of 48mm OD MS pipe	4 nos		
14	P/f of the stage light power point complete with 15amp socket , PVC	76 nos		

	cable tray mountable box , & wiring with PVC insulated 2x2.5 sqm multi strand cu conductor & 1 x 2.5 sqmm cu conductor form each light point to patch panel / dimmer in the control room laid in PVC conduit of 2mm thkness t			
15	40 x 150 x 40 slotted cable tray	200		
16.	Inst. Testing & Comm.	1 job		
17	<u>PATCH PANEL</u> Cross connecting panel 196 x 196 way having 196 nos. 4mm sheathed sockets fitted on the panel for interchanging the light circuits with the dimmers as desired. The connection can be made with patchcords having 4mm sheathed banana plugs at both the ends with 1 mtr. Super flexible cable of 40 SWG. The patch panel has neutral & earth bar connection strip	1		
	TOTAL COST OF STAGE LIGITING			