



## MORARJI DESAI NATIONAL INSTITUTE OF YOGA

(An autonomous organization under Ministry of AYUSH, Govt. of India)

68, Ashok Road, Near Gole Dak Khana, New Delhi – 110 001

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File No.MDNIY/S&P/2016-17/542

Dated: 01<sup>st</sup> Sept., 2017

### **Notice Inviting Tender (NIT) for construction of Space Roofing Structure in open area at MDNIY as per specifications attached.**

Morarji Desai National Institute of Yoga (MDNIY) is an autonomous organization under Ministry of AYUSH, Govt. of India invites sealed quotations **in Two-Bid system in three envelops (Technical Bid, Financial Bid and EMD in separate sealed envelopes)** for **construction of Space Roofing Structure in open area at MDNIY**. The specifications are attached at Annexures-A, B, & C-

Sl. No.	Description of Items	Quantity	Rate in Rs.	Unit	Amt. in Rs.
1.	<b>Space Roofing Structure with 702S2 PVC Fabric</b> from Ferrari / Mehler 702 gsm Design, Supply, Fabrication and Installation of Membrane Panels & steel Cables and GI corner fittings nuts and bolts and associated accessories with membrane works. The design complies with the requirements of BS and, EU Standards. The tensioned membrane structure shall include engineering design of structural members and accessory parts and cement concrete foundation.	3300 sq. ft.		Sq. ft.	

**Schedule of Invitation of bid:**

<b>Date of Issuance of NIT</b>	<b>05.09.2017</b>
<b>Last date and time of submission of bid document</b>	<b>26.09.2017 upto 02.00 PM</b>
<b>Bid document to be submitted to</b>	<b>Director, Morarji Desai National Institute of Yoga, 68, Ashok Road, New Delhi-110001</b>
<b>The EMD to be submitted</b>	<b>Rs.60,000/- (Rupees sixty thousand only) will be submitted in favour of "Morarji Desai National Institute of Yoga" through Bank Draft/ Pay Order only</b>
<b>Tender Fee to be submitted separately</b>	<b>Rs.1,000/- (Rupees one thousand only) will be submitted in favour of "Morarji Desai National Institute of Yoga" through Bank Draft/ Pay Order only</b>
<b>Date and time of opening of Technical bid document</b>	<b>26.09.2017 at 02.30 PM</b>
<b>Date and time of opening of Financial Bid</b>	<b>Shall be opened on 05.10.2017 at 12.00 Noon only of those bidders who qualify in the Technical bid as per Check-list enclosed at Annexure-'C'.</b>

**The above jobs subject to the following terms and conditions:**

1. Sealed quotation addressed to the Director, MDNIY, superscribing on the top of envelop as **"Quotation for construction of Space Roofing Structure in open area at MDNIY"** should reach this office latest by **26.09.2017 upto 02.00 pm.**
2. **The EMD amounting to Rs.60,000/- (Rupees sixty thousand only) will be submitted in favour of "Morarji Desai National Institute of Yoga" through Bank Draft/ Pay Order only along with self attested copies of PAN NUMBER/GST No. etc. Audited Statement of Accounts/Form-16 for the 03 years 2014-15, 2015-16 and 2016-17.**
3. **The firm shall submit the separate Tender Fee in the mode of Demand Draft/Pay Order amounting to Rs.1,000/- (Rupees one thousand only) in favour of "Morarji Desai National Institute of Yoga" along with Bid. The financial bid shall not be considered, if the requisite cost of Tender Document is not paid by the firm.**
4. The EMD of the successful bidder awarded the contract shall be refunded on receipt of Performance Security @ 10% (5% Security Deposit & 5% Performance Security) of the value of the contract so calculated, during the currency of the contract period to safeguard the interests of

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the Govt. to ensure that the work has been completed as per specifications mentioned in the tender. The Performance Security shall be refunded to the bidder after 60 days of the completion of contract period including warranty obligations.

5. The work should be carried out as per specifications attached at Annexures A, B, & C.
6. The agency should have experience of executing similar works for the last 03 years.
7. Quotation received after closing date and time will not be entertained.
8. The rates should be included cost of material, labour and other contingencies to be used in the work.
9. The amount quoted by the firm and accepted by the Institute will be final. No other charges/increase in rates will be acceptable to MDNIY at a later date, in any case.
10. The firm which has quoted the rates and are successful in getting award for the above work but are unable to accept the contract due to any reason, their EMD will stand forfeited.
11. The rates will be valid for a period of six months from the date of issuance of the award letter.
12. The Institute reserves the right to accept or reject any quotation or cancel the tender process without assigning any reason thereof.
13. All the disputes shall be subject to Delhi jurisdiction only.

Yours faithfully,

**Administrative Officer  
For Director**

Copy to:-

Consultant (C&D) – With the request to upload the same on the Institute's website and Govt. Portal.

**General Conditions**

1. The work shall be executed as per CPWD specifications with up to date correction slips.
2. Rates :- Unless otherwise provided in the description of various items of work, the rates tendered by the contractor shall be for completed items of work covering all materials, labour carriage, royalties, fees, rents, sales tax, octroi, wastage, tools, plant, equipment, transport, temporary constructions, overhead charges and profits as well as general liabilities, obligation and risks, arising out of the conditions of contract and carrying out of the work in part(s) or under/ across/along pipes cables ,drains etc. complete and shall apply to all heights, depths, lead and lifts. No extra charges, whatsoever, consequent on any misunderstanding or otherwise shall be allowed.
3. No. revision in rates due to change/closure of sources of materials:- Collection of materials at the site of work for the proper execution of the work as per specifications shall include all leads and lifts. The rates of various items of work shall hold good irrespective of the quarry or source from which materials are brought so long as these conform to the specifications. Closure or change of any particular quarry or source shall not entitle the contractor to claim any revision in rates.
4. Some restrictions may be imposed by the police authorities etc. on the working and/or movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and no claim of payment on this account whatsoever shall be entertained.
- 5. Compensation for damage by rains, floods or other natural calamities: -** No compensation for any damage caused to the work or materials by rains, floods or other natural calamities shall be paid to the contractor. The contractor shall have to make good all such damages at his own.
- 6. Work on Sundays and holidays:-** If the contractor shall execute any work not in ordinary working hours in the absence of the Engineer-in-Charge or his authorized representative and without having previously given him sufficient notice in writing that such work were about to be executed, he shall take up and reconstruct any work so executed at his own cost and expenses if ordered to do so by the Engineer-in-Charge in writing under his hand.

**7. Work not done in ordinary working hours :-** If the contractor shall execute any work, not in ordinary working hours, in the absence of the Engineer-in-charge or his authorized representative and without having previously given him sufficient notice in writing that such work was about to be executed, he shall take up and reconstruct any work so executed at his own cost and expenses, if ordered to do so by the Engineer-in-charge in writing under his hand.

**8. Clearance of site :-** The contractor shall clear the site of work simultaneously as the work proceeds failing which the same shall be got cleared by the Engineer-in-charge at the risk and cost of the contractor by giving him one day notice.

**9. Possession of site:-** The contractor shall not be permitted to enter on (other than for inspection purposes) or take possession of the site until instructed to do so by the Engineer-in-charge in writing. The portion of the site to be occupied by the contractor shall be defined and/or marked on the site plan and the contractor shall on no account be allowed to extend his operations beyond these areas. In respect of any land allotted to the contractor for purposes of or in connection with the contract, such use or occupation shall not confer any right of tenancy of the land to the contractor and the contractor shall vacate the land on demand by the Engineer-in-charge.

10. The contractor shall store materials, keep the T & P, install water & power system, electrical and mechanical equipments and construct all temporary structures etc. on the site only at places approved by the Engineer-in-charge. Should such places be required by the Engineer-in-charge for any other purposes, the contractor shall clear the places within such time as may be instructed by the Engineer-in-charge. In case of default, the same shall be got cleared by the Engineer-in-charge at the risk and cost of the contractor.

11. Temporary access to the site:- The contractor shall provide onsite temporary access to the site and shall alter, adapt and maintain the same as required from time to time and shall take up and clear them away as and when no longer required and as and when ordered by the Engineer-in-charge and make good all damages done to the site.

12. The contractor shall be bound to bear the expenses of defence of every suite, action or other proceedings at law that may be brought by any person for injury sustained or damages to any property, whatsoever, which may arise out of or in consequence of the construction and maintenance of works owing to neglect of the proper precautions and to pay any damages and costs which may be awarded in such suite, action or proceedings to any such person or which may with the consent of the contractor be paid to compromise any claim by such person. He shall also indemnify and keep indemnified the MDNIY against all damages and costs consequent upon such claims arising from any such injuries or damages to person(s) or property.

13. Income tax deductions :- Income tax, as applicable under the Income Tax Rules framed from time to time by the Govt. of India, at the prescribed rates shall be recovered from each bill of the contractor.

**14. Other Tax deductions:** - Taxes applicable of Govt. of NCT of Delhi at the prescribed rates shall be recovered from each bill of the contractor.

**15. Cess @ 1%** of the cost of construction/work incurred by an employer for the purpose of Building and other Construction workers (Regulation of Employment and conditions of service) Act 1996 shall be deducted at source from the Bills of the Contractor/firms.

16. Treasure, trove, fossils, etc.: All fossils, coins, articles of value or antiquity, any structures and other remains or things of geological and archaeological interest discovered on the site shall be absolute property of the MDNIY and the contractor shall take reasonable precautions to prevent his workmen or any other persons from removing or damaging any such article or thing, shall immediately upon discovery thereof and before removal acquaint the Engineer-in-charge with such discovery and carry out the Engineer-in-charge's directions as to the disposal of the same.

17. Arrangements for electric connection: - The contractor shall make his own arrangements for obtained electric connection, if required, and make necessary payments direct to the department concerned.

18. The contractor shall make the arrangement of water himself for construction purpose by providing water tanker for which nothing extra shall be paid to the contractor.

19. The building rubbish and dismantle material shall be dispose of by the agency himself from the site of work and nothing extra shall be paid for the same.

20. Payment shall be made as per actual work executed at site of work.

21. All taxes except service tax shall be payable by the contractor and MDNIY shall not entertain any claim whatsoever in this respect. However, in respect of service tax same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him after satisfying that it has been actually and genuinely paid by the contractor.

22. The work should be completed within 60 days from the date of issue of work order.

**Technical properties of cloth to be used in work**

Precontraint 702 S2		
Surface treatment	PVDF	
Making up	Weldable	
Yarn	PES HT 1100 Dtex	
Weight	750 g/sqm • 22.1oz/sqyd	
Total thickness	0.60 mm	
Width	250-267 cm • 98.4-105.1 in	
Tensile strength (warp/weft)	280/280 daN/5cm 320/320 lbs/in	
Tear resistance (warp/weft)	30/28 daN 85/80 lbs	
Flame retardancy		
Euroclass	B-s2, d0/EN 13501-1	
Guarantee	7 years	
Longevity		
Coating thickness at the top of the yarm	240 microns	
Varnish adhesion longevity	QUV A 4000 h	
White color evolution	QUV A 4000h	
Solar optical values	ASHRAE 74-1988	EN410
Solar Transmittance (Ts)	8%	8.5%
Solar reflectance (Rs)	74%	78%
Solar Factor (g)	13%	12%
Visible light Transmittance (Tv)	--	6.5%
Visible light Reflectance (Rv)	--	86%
UV transmission		0%
Visible light Transmittance (Tv)	13.5%	
Global thermal conductivity		
Vertical/Horizontal position	U=5.6/6.4 W/sqm/°C	
Acoustic performance		
Weakening index	12DbA	
LEED Heat Island Effect		
Non roof (up to 2 pts)	Solar Reflectance index > 95%	
Roof (up to 1 pt)	Solar Reflectance index > 95%	
Environmental Impact: LCA (Life Cycle Assessment)		
Comparative analysis depending on end-of-life scenarios	Texyloop® Recycling	
Resources depletion	0.016	
Global warming	1.597	
Energy consumption	41.76	
Water consumption	88.03	
Management systems		
Quality in conformity with	ISO 9001	
Environmental communication in conformity with	ISO 14021	



**Technical Specifications of Structure**

1. Welding should be done as per BS 5135 Metal Arc welding of carbon and carbon.
2. The design and details of all joints and connections, butt fillers and permissible working stress to be used should comply with BS 449 and BS 5135.
3. All drawings showing specifications, design and details shall be submitted to the Authority to accord the approval and modify if required by the Authority, before execution of the work.
4. The agency shall give the warranty of minimum 8 years and during this period the agency shall be responsible in maintaining the structure also.
5. The necessary cement concrete foundation for fixing MS pipe shall be constructed by the Agency and nothing extra shall be paid for the same.
6. The work should be completed within 45 days from the date of issue of award letter.
7. Payment shall be made as per actual work executed at site.

**Annexure – ‘D’****Financial Bid**

<b>Sl. No.</b>	<b>Description of Items</b>	<b>Quantity</b>	<b>Rate in Rs.</b>	<b>Unit</b>	<b>Amt. in Rs.</b>
1.	<b>Space Roofing Structure with 702S2 PVC Fabric</b> from Ferrari / Mehler 702 gsm Design, Supply, Fabrication and Installation of Membrane Panels & steel Cables and GI corner fittings nuts and bolts and associated accessories with membrane works. The design complies with the requirements of BS and, EU Standards. The tensioned membrane structure shall include engineering design of structural members and accessory parts and cement concrete foundation.	3300 sq. ft.		Sq. ft.	

Signature with seal

**Note:**

**The above Financial Bids of Space Roofing Structure will be evaluated separately.**

**Annexure-‘E’****Check list for submission of Technical Bid**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Remarks/documents to be attached</b>
1.	Name of the Agency	
2.	Address of Head Offices: Telephone: E-Mail Fax Number (if any): Name(s) of the contact person(s):	
3.	Self attested copy of PAN NUMBER	Page No.....
4.	Self attested copy of GST Registration No.	Page No.....
	Self attested copy of Audited Statement of Accounts/Form-16 for the 03 years 2013-14, 2014-15 and 2015-16.	Page No.....
5.	Self attested copies of experience of executing similar works for the last 03 years.	Page No.....
6.	Details of Bid Security Fee: (Rs.60,000/-)	Page No.....
7.	Details of Tender Fee: (Rs.1,000/-)	Page No.....
8.	Enclosed terms and conditions duly signed and stamped by the agency, if accepted.	Page No.....

Signature with Seal