



## जवाहर विद्या मंदिर, श्यामली, राँची - 834002

### NOTICE INVITING TENDER

**Tender no.JVM/2016-17/003**

**Date: 19-05-2016**

**Work :** Removal of old tar-felt and fresh application of APP (Atactic polypropylene polymer) after preparation of area by plastering & concreting on the roof of School Building of Jawahar Vidya Mandir, Shyamali.

The principal, Jawahar Vidya Mandir, Shyamali, Ranchi invites tender from reputed and experienced parties for the above work to be carried out on roof of building of the school.

The bidders will have to submit their quotations in two sealed envelopes separately as Part A (for techno-commercial bid) and Part-B (for price bid) to the Principal, Jawahar Vidya Mandir, Shyamali Ranchi -834002 by 11.00 AM on 30-05-2016. Both the envelopes shall be superscribed with name and reference number of this Tender.

1. Technical specification along with price format are enclosed.
2. All the tenders shall be accompanied by EMD ( Earnest Money Deposit) of Rs. 5000/- ( Rs Five Thousand only) payable to Jawahar Vidya Mandir Shyamali, Ranchi in the form of demand draft .Tenders received without EMD shall be rejected .EMD shall be refunded to successful bidder after execution of work and to unsuccessful bidders after finalization of tender.

#### **Eligibility Criteria**

1. The bidders must satisfy all the conditions mentioned in GCC (Annexure-I) and SCC, (Annexure-II) attached as part of tender document.
2. The bidders must have carried out at least one similar work of providing and laying APP on roof top, the order of value not less than Rs.10 (ten) lakhs or two similar works of minimum value of Rs. 7 Lakhs each, during last three years prior to the date of tender.

**(A K SINGH)**  
**PRINCIPAL**



**JAWAHAR VIDYA MANDIR**  
**SHYAMALI, RANCHI – 834002**

AFF.NO.-3430004  
School No.:-08055  
Ph.:2411221, 2411665

**जवाहर विद्या मंदिर, श्यामली, राँची- 834002**

**TECHNICAL SPECIFICATION**  
**for**  
**Water Proofing of Roof of**  
**JVM Shyamali School Ranchi, Jharkhand**

<b>PREPARED &amp; CHECKED BY</b>		<b>APPROVED BY</b>
<b>(HP Singh)</b> <b>Supervisor JVM</b>	<b>(Manjesh Kumar)</b> <b>Member Infra.</b>	<b>(SK Jha)</b> <b>Convenor Infa.</b>



## **जवाहर विद्या मंदिर, श्यामली, राँची - 834002**

### **TECHNICAL SPECIFICATION & PRICE FORMAT**

#### **1.0 SCOPE OF WORK :**

The major scope of water proofing works shall broadly be as detailed below. However, the Contractor has to do all other related works of the work order for its completeness and smooth functioning.

The rate for any item of work in the schedule shall be deemed to include unless otherwise stated ,cost of all materials including wastage, loading, transportation and unloading, labour, tools and tackles, fuel consumable, scaffolding and other temporary works, all incidentals such as setting out, site drainage, offering sample for approval, cost of all tests, rectification of all defects, replacement of defective material and work, removal of debris etc., interruption of work required to accommodate the work of other agencies working in that area, site clearance after completion of work , maintenance of completed works during period of maintenance , working at all locations and levels and for all necessary leads and lifts etc.

As per requirement & direction of JVM Supervisor, contractor shall provide all required construction plant & equipment for over all completeness of the work.

The major scope of works are as follows :

- 1) Removal of existing water proofing materials (Tarfelt etc.) including removal of debris.
- 2) Preparation of area by plastering, concreting to receive new water proofing material (APP).
- 3) Providing and laying atactic polypropylene polymer (APP) as per requirement.
- 4) All other related works for completeness and smooth functioning of the project.
- 5) The total works is to be completed in three months.
- 6) Warranty will be five years for entire work

#### **2.0 INTRODUCTION & SPECIAL CONDITION OF CONTRACT**

##### **2.1 General**

The proposed site for water proofing work in JVM School Shyamali Ranchi, Jharkhand.



## **जवाहर विद्या मंदिर, श्यामली, राँची - 834002**

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### **2.2 Site Visit**

Before submission of tender, the Bidder shall inspect the site to study the nature and extent of work involved and also to obtain first hand information regarding site condition, spread of various roofs of school buildings, their relative distances, quantum of supervision involved in execution of work and any other factor before quoting the rates. The Bidder shall consider all such aspects in the quoted rate carefully and no claim whatsoever shall be entertained later on the plea of ignorance of site conditions and any other factors.

**2.3** In the event of any discrepancies between drawings and specifications, it may be noted that drawings shall supersede the specifications. Similarly in case of any discrepancies between description in Drawing and Schedule of items (BOQ) , the provisions in the schedule of items shall prevail.

### **2.4 Works not to be misused**

All works under or in course of execution or executed shall not be used by the Contractor for any of his purpose e.g. storage of materials, residence, office etc. under any circumstances.

### **2.5 Sequence of work**

Contractor shall plan the sequence of all works so as to achieve the desired progress keeping in mind overall safety and stability at all points of time.

If due to a particular design or specification or availability of machines or any other reason, a particular sequence of operation is demanded by the supervisor due to which some interruptions are inherent to any one or more types of work or items of execution, then no claim for such interruption shall be entertained and contractor shall have to follow the sequence as instructed by the supervisor.

### **2.6 Damages**

Any existing services or other properties if damaged or demolished during the course of execution either willfully or negligently, shall be repaired and re-erected to its original shape & size by the contractor at own cost.

The Contractor will take all precautions against damages due to rain and storm and no liability shall rest with the purchaser for any loss for redoing of any work on this account.

### **2.7 Quality Assurance**

(a) To ensure quality of construction, the contractor shall ensure inspection and testing of all materials and works at his own cost conforming to specifications.



## **जवाहर विद्या मंदिर, श्यामली, राँची - 834002**

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- (b) All certificates and guarantees obtained by the contractor from different suppliers of materials, subcontractors doing part job, shall be passed on to the purchaser.
- (c) All defective materials / works which do not conform to the specifications shall be rejected / dismantled and removed from site by the Contractor at his own cost.

### **2.8 Construction Materials**

- (a) All construction materials needed for works shall have to be arranged and procured by the Contractor.
- (b) Responsibility for ensuring the quality and custody of material shall rest with the Contractor. If the contractor uses the material without any check on quality which may result in poor quality of work, then dismantling and redoing such defective work shall be at contractor's cost. No claim whatsoever due to poor quality of material shall be entertained later.
- (c) The contractor shall make his own arrangements for all tools, tackles and labour including hutment etc. if required.

### **2.9 Safety**

The Contractor shall ensure that the safety requirements are met in respect of men, materials, adjoining structures, equipment etc. and shall be totally responsible in case any mishap occurs due to negligence or otherwise. In this connection the contractor shall strictly adhere to the rules norms and regulations as applicable.

- (a) The Contractor is to make his own arrangements for supplying and providing necessary staging etc. from ground level to the working heights as required, transport of all construction materials, equipment, labour etc. at his own cost.
- (b) Wherever the construction work is being carried out, the Contractor has to provide sufficiently strong and stable staging so as to ensure safety of the labour.
- (c) The Contractor shall dismantle and remove the staging and other temporary facilities at site on the final completion of work, clear and clean the site and make good the damages caused to the structure and restore it to original condition at his own cost.



**जवाहर विद्या मंदिर, श्यामली, राँची - 834002**

**3.0 SCHEDULE OF QUANTITIES**

Sl. No.	Description	Unit	Qty.	Rate	Cost
1	Providing and laying over roof surface, APP (Atactic Polypropylene Polymer) of brand Bitumat Co. Ltd./Soprema / General Membrances/ Tamco/ Pidilite/ Bitunil/ sika/ BASF/S TP, or equivalent modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25 <sup>0</sup> C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be : Joint strength in longitudinal and transverse direction at 23 <sup>0</sup> C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150 <sup>0</sup> C. Cold flexibility shall be upto – 2 <sup>0</sup> C when tested in accordance with ASTM, D-5147. The laying of membrane shall be got done through the authorized applicator of the manufacturer of membrane. Laying to be done at all levels including all bye works, all complete as per direction of engineer.	Sqm.	3150		
2	Removing the existing tarfelt, pea gravel, painting etc. from roof of buildings, sheds etc. at all level including removal of debris up to 50 mts all complete as per direction of engineer.	Sqm	3150		



## जवाहर विद्या मंदिर, श्यामली, राँची - 834002

Annexure – I

### General Condition of Contract (G.C.C.)

1. Your scope of work shall include all workers, suppliers and services for completion of entire work as directed through site order.
2. The contractor shall have own site office, stores, godown as may required for carrying out the subject work.
3. Provision of all labours, skilled, semi skilled, less skilled as may be required to complete the work.
4. Providing adequate tools, instruments, tackles, scaffolding etc. for completion of entire work.
5. Procurement of all the materials, as may be required for carrying out the work.
6. Abide by statutory regulations, labours rules, safety codes during execution of work.
7. Abiding by all statutory obligations including ESI, EPF etc. during execution of work and shall submit all evidence in this respect such as ESI, EPF certificates and minimum wage certificate along with each and every bill.
8. Contractor shall make arrangement at his own cost for drawing and distributing water and power from single point each where water and power will be provided by JVM free of cost.
9. Undertaking all works including repairs and renovation work for completion to the satisfaction of JVM.
10. Agency and/or the worker engaged by agency will not have any claim for payment employment in JVM. The age limit of worker shall be between 19 yrs. and 60 yrs.
11. Rate of wage shall not be less than the minimum wages plus prevailing percentage of EPF, FP, ESI, EDLI, Bonus etc. as required under the law.
12. Agency shall ensure fulfillment of al labour regulations/rules under the Labour Act and all other statutory requirement of Government of India and Government of Jharkhand.
13. Monthly bill based on actual deployment of worker shall be submitted by Agency (statutory payment ) viz. EPF, FP, ESI, EDLI, bonus etc.) including taxes payable if any.
14. Unit rates of all the items shall remain firm, fixed and binding on the contractor during entire period of execution of work and shall not be subjected to any variation whatsoever on any account.
15. This being a unit rate contract, the payment shall however be released against actual quotations of work however be released against actual quantities of work executed duly certified by the JVM.
16. Unless other wise specified, measurement of work shall be carried out at site jointly by JVM & Contractor.
17. 5% security deposit shall be deducted from each R.A. bill.
18. **Liquidated damages for non-fulfillment of completion schedule.** If the completion of work is delayed beyond the scheduled date for any reason other than due to force major condition or for those attributable to the contractor, then the contractor shall pay 1% per month of delay on total value of work up to a maximum of 5% of the final contract price.



## जवाहर विद्या मंदिर, श्यामली, राँची - 834002

19. Annual rate maintenance contract shall be executed based on site order issued by JVM. The L.D. Shall not be applicable for site order having completion period of less than one (01) month.
20. The contractor shall not sublet/sub contract the whole or any part of work failing which the contract may be terminated.
21. No completion certificate shall be issued or shall be work be considered to be complete until the contractor removes from the site all scaffolding, surplus materials, rubbish etc.
22. **Maintenance Guarantee Period (defect liability period):** The contractor guarantees that for a period of 12 (twelve) months commencing from the date of completion of contract. He shall undertake reconstruction rectification, replacement of all regular schedule work and any other work to make good the faulty work as stated under completion certificate for period of 06 (six) months from the date of issue of commissioning certificate.
23. The contractor shall have a valid labour license and shall also maintain al records/register/return/cards under state contract labour (R&A) rules act such as :-
  - i) Register of workmen employed by contractor : Form - 9
  - ii) Employment card : Form – 10
  - iii) Muster roll : Form - 12
  - iv) Register of wages-cum-muster roll : Form - 13
  - v) Wage slip : Form – 15
  - vi) Register of over time : Form – 19
  - iii) Submission of Return in Form – 20
24. **Time schedule of contract :** Total time schedule of contract will be for 01 (one) year from the date of work order nd it may be executed for another 01 year in case of performance of the contractor is found satisfactory and agree to do the work at the same rate, terms and conditions of the above tender.
25. Further, JVM also reserves the right to cancel the tender without assigning any reasons for the same. In such event JVM shall return the Earnest money deposit.





## जवाहर विद्या मंदिर, श्यामली, राँची - 834002

Annexure – I

### Special Condition of Contract (SCC)

1. The contractor may be asked to carry out the repair, maintenance and development work in JVM complex for the BOQ items i.e. DSR 2014.
2. The contractor is to execute the work irrespective of the quantity as per departmental requirement and as directed by the site engineer/supervisor.
3. The work will be executed on firm item rates basis. The contractor will be issued with site order indicating various works to be taken up by the contractor.
4. Any defect found within the guarantee period shall have to be attended by the contractor at their own cost and risk.
5. The institutional building regulations of the safety code shall have to be strictly followed by the contractors.
6. The work is to be executed as per specifications and direction of site engineer.
7. Terms of payment : 90% value of each R.A. bill/tax invoice shall be paid within (15) fifteen days upon submission of complete and correct documents.
  - a) Original bill alongwith measurement sheet/abstract of the quantity being executed by the contractor at saite.
  - b) Firm Registration no.
  - c) I. tax Registration no. (PAN)
  - d) P.F. registration no. with Regional Provident fund.
  - e) ESI Registration no. with ESI authorities.
  - f) Registration under VAT Act.
  - g) Service tax registration no.
8. Work measurement sheet should be on printed form/letter head of the contractor duly signed and stamped by the contractor and certified by JVM site engineer.
9. Copies of site orders issued by JVM authorized site engineer.
10. Copy of labour license obtained for above tender work ( with first R.A. bill only)
11. Copy of acquaintance roll ( payment of wage sheet) duly certified by the contractor in order to ensure compliance of minimum wages as per state/central govt. notification in vogue, duly verified by representative of JVM.
12. Copy of previous month's P.F. deposit challan towards proof of P.F. amount for the workers alongwith schedule showing name A/c no. amount of contribution ( both for employee and employer) matching with wage sheet and figures of challan.
13. Copy of previous month's ESI deposit challan towards proof of deposit of premium for the workers alongwith schedule matching with wage sheet and figures of challan.
14. Where service tax is claimed for reimbursement, documentary evidence there of to be produced alongwith the copy of the original bill.
15. If the contractor claims that service tax is not applicable for them, then the contractor has to give an undertaking that their annual turn over is not more than Rs. 10 Lakh during the last year and shall not exceed this limit during the current financial year.
16. T.D.S. will be affected from all payments as per prevailing rules.
17. Building construction cess will be deducted from each bill/invoice while processing payment.
18. Contractor shall raise maximum one (01) invoice/r.a. bill per month for all completed works. Working experience in MECON & SAIL.

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**जवाहर विद्या मंदिर, श्यामली, राँची- 834002**

19. 10% ( ten percent) value of each r.A. bill/tax invoice ( for which 90% payment already claimed) shall be paid after completion of warranty period/maintenance guarantee period and submission of pre-receipted invoice and completion of all his contractual certified by JVM alongwith submission of following documents :-
- Completion certificate issued by JVM – original
  - No dues certificate from JVM
  - No claim/no demand certificate by the contractor – original
  - copies of all statutory documents to be provided by the contractor as required by JVM
20. JVM shall deduct taxes at source as per prevailing status from the payment to be made to the contractor. JVM shall deposit amount thus deducted with the concerned authorities and issue necessary certificates to the contractor to this effect.
21. All interim/progress payments shall be regarded as payments by way of advance against the final payment only and not as payment for work completed and shall not preclude defect/imperfect/incomplete facilities to be removed. It will not be considered as an admission by JVM of the due performance of the contract or any part there of by the contractor nor shall preclude determine or effect in any way the pavers of JVM under there conditions or in any way vary or effect the contract.
22. The performance of contractor will be considered unsatisfactory :-
- If the contractor does not attend the work as per contract/site order without any valid reason.
  - If the contractor does not carry out the instruction of the engineer.
  - the contractor has executed excess work without any written clearance from the engineer.
  - If the contractor does not follow the terms and conditions as per agreement.
  - If the contractor execute any defective/poor quality work.
  - If the contractor does not maintain discipline in work place.

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