

Name of work: **Water Proofing Treatment of Roof of Adm-cum-Lab. Building, Phase 1 (Right side)**

Division: **Main Scheme**

Location: **ICAR Research Complex, Lembucherra**

Rate: **Tripura Schedule of Rates for Buildings 2008**

Item No. & details of work to be executed		Rate	Amount	
Description	Quantity		In figure	In words
<p>Item No.1: Providing & fixing APP (Atactic Polypropylene Polymer) modified pre-fabricated five layer water proofing membrane, black finished reinforced with non woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 lt/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/lt and viscosity 70-160 cps. Over the primer coat, the layer 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°C, 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80 N. Softening point of membrane not less the 150°C. Cold flexibility shall be up to -2°C when tested in accordance with ASTM, D-1547. The laying of membrane shall be got done through the authorized applicator of the manufacture of membrane as per clause of chapter-25 of CPWD specification: (5.50+7.60+7.60+7.60) x 13.5</p>	382.05 sq.m.			
<p>Item No.2: Providing and laying grading of roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 fine sand : 4 graded stone aggregate 20mm nominal size), Qty. 382.05 x 0.05</p>	19.10 cum			
<p>Item No.3: Supplying and applying a coat of water bonding agent based on synthetic rubber</p>				

(Sika latex or equivalent) with cement on chipped facial at the top of roof slabs/beams at all elevations as per instruction of the Engineer-in-Charge: 1/3 rd of the Item No.2 above	127.35 sqm			
Total (A)				
Add% contingencies (B)				
Add% above on TSR-2008 due to anticipated higher rate of materials, labour etc. (C)				
Grand Total (A+B+C)				

Quoted cost: Rs..... (Rupees.....
.....) only

Date:.....

Signature with seal

List of enclosures:

1. Deposit-at-Call for Rs..... (Rupees) only
No..... of(Bank), Branch.
2. Copy of ITC, PTC, Labour registration
3. Copy of PWD/CPWD/MES/BSNL enlistment
4.

भाकृ अनुप - पूषप
ICAR-RC-NEH

Name of work: **Water Proofing Treatment of Roof of Adm-cum-Lab. Building, Phase 2 (Left side and Entrance)**

Division: **Main Scheme**

Location: **ICAR Research Complex, Lembucherra**

Rate: **Tripura Schedule of Rates for Buildings 2008**

Item No. & details of work to be executed		Rate	Amount	
Description	Quantity		In figure	In words
<p>Item No.1: Providing & fixing APP (Atactic Polypropylene Polymer) modified pre-fabricated five layer water proofing membrane, black finished reinforced with non woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 lt/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/lt and viscosity 70-160 cps. Over the primer coat, the layer 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°C, 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80 N. Softening point of membrane not less the 150°C. Cold flexibility shall be up to -2°C when tested in accordance with ASTM, D-1547. The laying of membrane shall be got done through the authorized applicator of the manufacture of membrane as per clause of chapter-25 of CPWD specification: $(5.50+7.60+7.60+7.60) \times 13.5 = 382.05 \text{ sqm}$ & $5.02 \times 5.12 = 25.85 \text{ sqm}$</p>	407.90 sq.m.			
<p>Item No.2: Providing and laying grading of roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 fine sand : 4 graded stone aggregate 20mm nominal size): Qty. 407.90 x 0.0635</p>	25.90 cum			

Item No.3: Supplying and applying a coat of water bonding agent based on synthetic rubber (Sika latex or equivalent) with cement on chipped facial at the top of roof slabs/beams at all elevations as per instruction of the Engineer-in-Charge: 1/3 rd of the Item No.2 above	136.00 sqm			
Total (A)				
Add% contingencies (B)				
Add% above on TSR-2008 due to anticipated higher rate of materials, labour etc. (C)				
Grand Total (A+B+C)				

Quoted cost: Rs..... (Rupees.....
.....) only

Date:.....

Signature with seal

List of enclosures:

1. Deposit-at-Call for Rs..... (Rupees) only
No..... of(Bank), Branch.
2. Copy of ITC, PTC, Labour registration
3. Copy of PWD/CPWD/MES/BSNL enlistment
4.

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Name of work: **Water Proofing Treatment of Roof of Adm-cum-Lab. Buildin,
Phase 3 (Middle portion)**

Division: **Main Scheme**

Location: **ICAR Research Complex, Lembucherra**

Rate: **Tripura Schedule of Rates for Buildings 2008**

Item No. & details of work to be executed		Rate	Amount	
Description	Quantity		In figure	In words
<p>Item No.1: Providing & fixing APP (Atactic Polypropylene Polymer) modified pre-fabricated five layer water proofing membrane, black finished reinforced with non woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 lt/sqm by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/lt and viscosity 70-160 cps. Over the primer coat, the layer 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°C, 350/300 N/5cm. Tear strength in longitudinal and transverse direction as 60/80 N. Softening point of membrane not less the 150°C. Cold flexibility shall be up to -2°C when tested in accordance with ASTM, D-1547. The laying of membrane shall be got done through the authorized applicator of the manufacture of membrane as per clause of chapter-25 of CPWD specification: 18.60 x 13.5</p>	251.10 sq.m.			
<p>Item No.2: Providing and laying grading of roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 fine sand : 4 graded stone aggregate 20mm nominal size): Qty. 251.1 x 0.05</p>	12.55 cum			
<p>Item No.3: Supplying and applying a coat of water bonding agent based on synthetic rubber</p>				

(Sika latex or equivalent) with cement on chipped facial at the top of roof slabs/beams at all elevations as per instruction of the Engineer-in-Charge: 1/3 rd of the Item No.2 above	83.70 sqm			
Total (A)				
Add% contingencies (B)				
Add% above on TSR-2008 due to anticipated higher rate of materials, labour etc. (C)				
Grand Total (A+B+C)				

Quoted cost: Rs..... (Rupees.....
.....) only

Date:.....

Signature with seal

List of enclosures:

1. Deposit-at-Call for Rs..... (Rupees) only
No..... of(Bank), Branch.
2. Copy of ITC, PTC, Labour registration
3. Copy of PWD/CPWD/MES/BSNL enlistment
4.

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Filename: Work details-cum-Tender Paper
Directory: C:\Documents and Settings\USER\Desktop
Template: C:\Documents and Settings\USER\Application
Data\Microsoft\Templates\Normal.dotm
Title: Name of work: Water Proofing Treatment of Roof of
Adm-cum-Lab
Subject:
Author: Adm-CKB
Keywords:
Comments:
Creation Date: 3/9/2012 7:54:00 PM
Change Number: 2
Last Saved On: 3/9/2012 7:54:00 PM
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