

Name of Work : **Providing Protective Coating to the Thiruvalluvar Statue at kanniyakumari**

SCHEDULE

Sl. No	Qty	Description of Work	TNDSS No.	Rate	Per	Amount
		PART - I Civil work				
1	130 m ²	Providing wooden shuttering for covering the sides and soffits of the existing statue elephants around the Thiruvalluvar statue peedam up to height of 2.45 metres using 40mm C.W planks laid over silver oak joists of size 10cm × 6.5 cm at a spacing of 90cm c/c and removing the same after completion of the protective coating to a period up to 150 days (5 months) without any damages to the statue elephants. The rate is including hire charges of all materials, mobilization of materials to the work site, conveyance of men and materials by boat in the sea on their own arrangements etc complete complying with standard specification.			1m ² (One Square Metre)	
2	264 Nos	Providing adjustable props of height up to 4.5 metre as required with necessary base plate & top country wood planks below the roof of the peedam as support to the scaffolding over the statue Peedam roof and removing the same after completion of the work for a period up to 150 days (5 months) including conveyance of men and materials by boat in the sea on their own arrangements etc complete as directed by the corporation officers.			1No (One Number)	

Signature of Tenderer

Project Engineer

Sl. No	Qty	Description of Work	TNDSS No.	Rate	Per	Amount
3	1710 m ²	Providing scaffolding arrangement around the peedam to the required height up to 17.10 metres from the base, with tubular tower frame wall of 1200 mm vide using H frame units made up of 40mm dia medium class M.S pipes and X brace diagnol units made up of 25mm dia medium class M.S pipes fixed one over the other to build the required height including horizontal bracing of the towers with 40mm dia medium class M.S pipes at around 1200 mm intervals on both sides of the walls and provision of cantilever protrusion pipes & bracket pipes for the working platform made with 600 mm vide C.W plank platform of 50mm thick around the interior faces of the frame work and covering the outer exposed area of the scaffolding with nylon netting.The rate is including cost of mobilization of all materials such as pipes, specials, fasteners, clamps etc, transport of materials to the ferry points by Head load up to a distance of 100 metres, ferry charges for the conveyance of men and materials in the sea, insurance and safety measures to the employees etc complete and dismantling the same after the completion of the work, complete with a total working period of 150 days (5 months) as directed by the corporation officers complying with specification.			1m2 (One Square Metre)	
4	1625 m ²	Providing scaffolding arrangement around statue to required height (up to 31.10 m above the peedam) with tubular frame wall of 1200 mm vide using H frame units made up of 40mm dia medium class M.S pipes and X brace diagonal units made up of 25mm dia medium class M.S pipes fixed one over the other to build the required height including horizontal bracing of the towers with 40mm dia medium class M.S pipes at around 1200 mm intervals on both sides of the walls and provision of cantilever protrusion pipes & bracket pipes for the working platform made with 600 mm vide C.W plank platform of 50mm thick around the interior faces of the frame work and covering the outer exposed area of the scaffolding with nylon netting. The rate is including cost of mobilization of all materials such as pipes, specials, fasteners, clamps etc, transport of materials to the ferry points by Head load up to a distance of 100 metres, ferry charges for the conveyance of men and materials in the sea, insurance and safety measures to the employees etc complete and dismantling the same after the completion of the work, complete with a total working period of 150 days(5months) as directed by the corporation officers complying with specification.			1m ² (One Square Metre)	

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Sl. No	Qty	Description of Work	TNDSS No.	Rate	Per	Amount
5	405 RM	Providing guy ropes to scaffolding against away action and against wind force using 8 to 12mm dia M.S flex ropes including anchor arrangements on hire basis for a period up to 150 days (5 months) including conveyance of the men and material to the worksite amidst the sea as directed by the corporation officers			1RM (One Running Metre)	
6	2250 m ²	<p>Providing poly silicon protective coating over the outer exposed stone surfaces of the peedam area by applying three coats of silicon based transparent paint of wacker SMK 1311 material or equivalent mixed with Portable water in the ratio of 1:9 by weight/ volume after preparation of surfaces by patch pointing water washing, chemical cleaning and paper pulp treatment for extracting the salt content in the stone consisting of the following operation excluding scaffolding charges.</p> <p>a) Patch pointing work in the pitted of joints with lime ,kaduka ,palm vellam and sand combination mortar or any other natural material as recommended by the ASI officials</p> <p>b) Cleaning the stone surfaces with soft brush and portable water</p> <p>c) Chemical cleaning by using ammonia teepol solution, nonionic detergent, sodium hydroxide flakes and sodium pentachlorophenate etc as directed by the Chemist.</p> <p>d) Providing and applying first phase paper pulp over the cleaned stone wall surfaces for extracting the salt content penetrated in the stone wall surfaces</p> <p>e) Providing and applying second phase paper pulp after completion of the pointing work over the cleaned stone wall surfaces for extracting the residual salt content penetrated in the stone wall surfaces including removing after completion till the cease of salt content.</p> <p>All above operations are to be done in order and as directed by the corporation officers, The rate is including cost and mobilization of all materials such as water, chemicals, etc, transport of materials to the ferry points by Head load up to a distance of 100 metres, ferry charges for the conveyance of men and materials in the sea, insurance and safety measures to the employees etc complete complying with specification.</p>			1m ² (One Square Metre)	

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Sl. No	Qty	Description of Work	TNDSS No.	Rate	Per	Amount
7	1900 m ²	<p>Providing poly silicon protective coating over the interior exposed stone surfaces of the statue peedam area by applying three coats of silicon based transparent paint of WACKER SMK 1311 or equivalent mixed with Portable water in the ratio of 1:9 by weight/ volume after preparation of surfaces by water washing, chemical cleaning consisting of the following operation excluding scaffolding charges.</p> <p>A)Cleaning the stone surfaces with soft brush and portable water</p> <p>B)Chemical cleaning by using ammonia teepol solution, nonionic detergent, sodium hydroxide flakes and sodium penta choloro phenate etc as directed by the Chemist.</p> <p>c) Providing protective coating with wacker SMK 1311 material or equivalent mixed with water in the ratio of 1:9 by weight/ volume by manual application with brush in three coats continuously till the absorption is ceased. All above operations are to be done in order and as directed by the corporation officers, The rate is including cost and mobilization of all materials such as water, chemicals, etc, transport of materials to the ferry points by Head load up to a distance of 100 metres, ferry charges for the conveyance of men and materials in the sea, insurance and safety measures to the employees etc complete complying with specification.</p>			1m2 (One Square Metre)	
		Part - II Electrical work				
8	2 Nos	Supply and Erection of Light emitting diode type luminare Twin type Aviation lamp " Philips or Equivalent make" suitable to fix on top of the 133 Feet Thiruvalluvar statue and covering with the suitable size crystal clear PVC acrylic sheet cover box and giving wire connection testing etc., The charges is including removal of the existing defective lamp fittings and rewiring, etc., complete.			1No (One Number)	

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Sl. No	Qty	Description of Work	TNDSS No.	Rate	Per	Amount
9	1 Job	Charges for dismantling the existing lightning Divertor equipment from top of statue, complete servicing and re-conditioning & re-erection of the lightning divertor equipment on top of the statue and giving connection, properly testing the lightning arrester value etc., complete.			1 Job (Each)	
	Sub Total					
	GST @ 18%					
	Grand Total					

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