

**BUDGETARY OFFER FOR REPLACING WINDSCREEN GLASSES, DRIVER VIEW
GLASSES AND ALUMINIUM FRAME WITH SLIDING WINDOWS IN 4 Nos of
DIESEL ELECTRIC LOCOMOTIVES AT CHENNAI PORT TRUST.**

TECHNICAL SPECIFICATION

SCHEDULE-"A"

1. SCOPE OF WORK :-

Chennai Port Trust has proposed to replace windscreen glasses, Driver view glasses and Aluminium frame with sliding windows with glasses in 4 Nos of Diesel Electric Locomotives.

2. DETAILS OF WORKS TO BE CARRIED OUT IN EACH LOCO:-

- a) All the existing old windscreen glasses, driver view glasses along with rubber beadings (8 Nos) and Aluminium main frames (2Nos) on the sides of driver cabin with 8 Nos sliding glasses are to be removed from Drivers cabin of the Locomotive.
- b) New windscreen glasses (4Nos) along with suitable rubber beadings to be changed with 4 mm thick safety glasses as per Fig 1. of the Trust drawing
- c) New Driver view glasses (4Nos) with suitable rubber beadings are to be replaced with 4 mm thick safety glasses as per Fig 2. of the Trust drawing
- d) New Aluminium main frame (2 Nos) should be fabricated with aluminium channel of size 35mm x 45mm double groove as per existing standard available as shown in Fig 3. of the Trust drawing and fitted in the sides of the Drivers cabin room.
- e) Each main frame shall be fitted with New 4 Nos of sliding doors (total 8 Nos) as per existing standard available as shown in Fig 3. of the Trust drawing . Necessary handles should be provided for closing and opening of the cabin side sliding doors.
- f) 4 mm thick safety glasses only to be used in all the works.

OTHER TERM AND CONDITIONS:-

1. The contractor should inspect the Locomotives before submitting their budgetary offer.
2. The firm have to make their own arrangements for necessary tools and tackles required for the work.
3. The contractor will be responsible for the safety of their men and materials.
4. The contractor is required to offer rates as per the Trust format "Schedule "A-1" with taxes and duties.
5. All the required materials for the work should be arranged by contractor itself.
6. The firm has to make their own arrangements for Transportation of their men and materials.
7. The entire work in the Locomotives has to be carried out at Diesel Loco Shop, HWS as per instruction given by the Trust Engineer and Drawing.
8. The payment will be made within 30 days after satisfactory completion and acceptance of each Loco as per Trust's payment terms & conditions.
9. The rate fixed by the contractor should be firm till the completion period.
10. One power point shall be given by the Trust free of cost for carrying out electrical work related to the subject contract.
11. The contractor is responsible for any damages to Trust property while carrying out the work and should replace the damaged part free of cost.
12. The work shall be guaranteed for a period of **SIX months** from the date of acceptance of the works.
13. The work shall be completed within 7 days from handing over of each locomotive.
14. For Harbour entry pass and direction to site of work for inspection for the purpose of making the offer, the contractor shall contact the "SE(M)/Loco 1st floor of the Old Administrative Building, Chennai Port Trust. Telephone Nos. 25362201 – Extn: 2629.

Chief Mechanical Engineer
Chennai Port Trust.

BUDGETRY OFFER FOR REPLACING WINDSCREEN GLASSES, DRIVER VIEW

GLASSES AND ALUMINIUM FRAME WITH SLIDING WINDOWS IN 4

Nos of DIESEL ELECTRIC LOCOMOTIVES AT CHENNAI PORT TRUST.

SCHEDULE-"A-1"

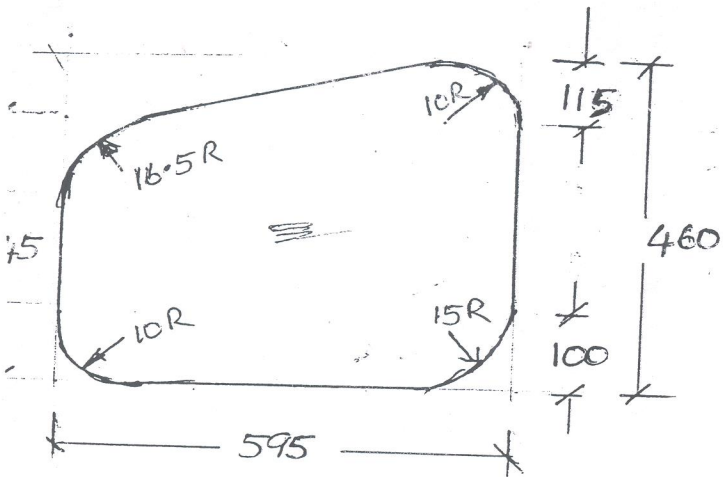
SNo	DESCRIPTION OF WORK	Qty for	No of	Rate/	Amount `
		Each Loco	Loco	Unit `	
		1.	2.	3.	1 x 2 x3
1.	<u>Material:-</u> Glass and rubber beading required for fixing wind screen as per Fig.1 of the drawing enclosed.	4 Nos	4		
2.	Glass and rubber beading required for Driver view glass as per Fig.2 of the drawing enclosed.	4 Nos	4		
3.	Aluminium Channel of size 35 mm x 45 mm double groove as per existing standard required for fabricating Main frame as per Fig.3 of the drawing enclosed.(size 1500 mm x 645 mm)	2 Nos	4		
4.	Aluminium frame, Glass and rubber beading required for making sliding windows including handles as per Fig.3 of the drawing enclosed Frame size : 380 mm X 590 mm Glass size : 270 mm X 500 mm	8 Nos	4		
5.	Vat				
6.	Total cost of Material -I				
	<u>Labour-</u>				(2X3)=
1.	Charges for removing the old wind screen glasses, driver view glasses, Aluminium main frame with sliding windows.	L.S	4		
2.	Charges for fixing wind screen glass with rubber beading as per Fig.1 of the drawing enclosed	4 Nos	4		
3.	Charges for fixing Driver view glass with rubber beading as per Fig.2 of the drawing enclosed	4 Nos	4		
4.	Charges for fixing Aluminium Main frame in the driver cabin as per Fig.3 of the drawing enclosed	2 Nos	4		

5	Charges for fixing aluminium Sliding glass window with necessary rubber beading and handles in the main frame of the driver cabin as per Fig.3 of the drawing enclosed	8 Nos	4		
6	Service charges				
7.	Total cost of Labour -ii				
8.	Grand Total Cost of Work				

(RupeesOnly)

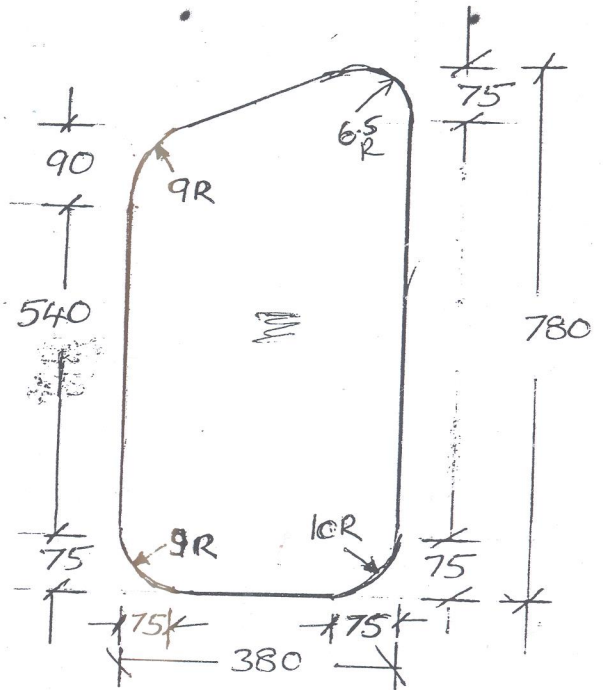
Contractor Sign
with

date.



WIND SCREEN
GLASS

Fig. 1

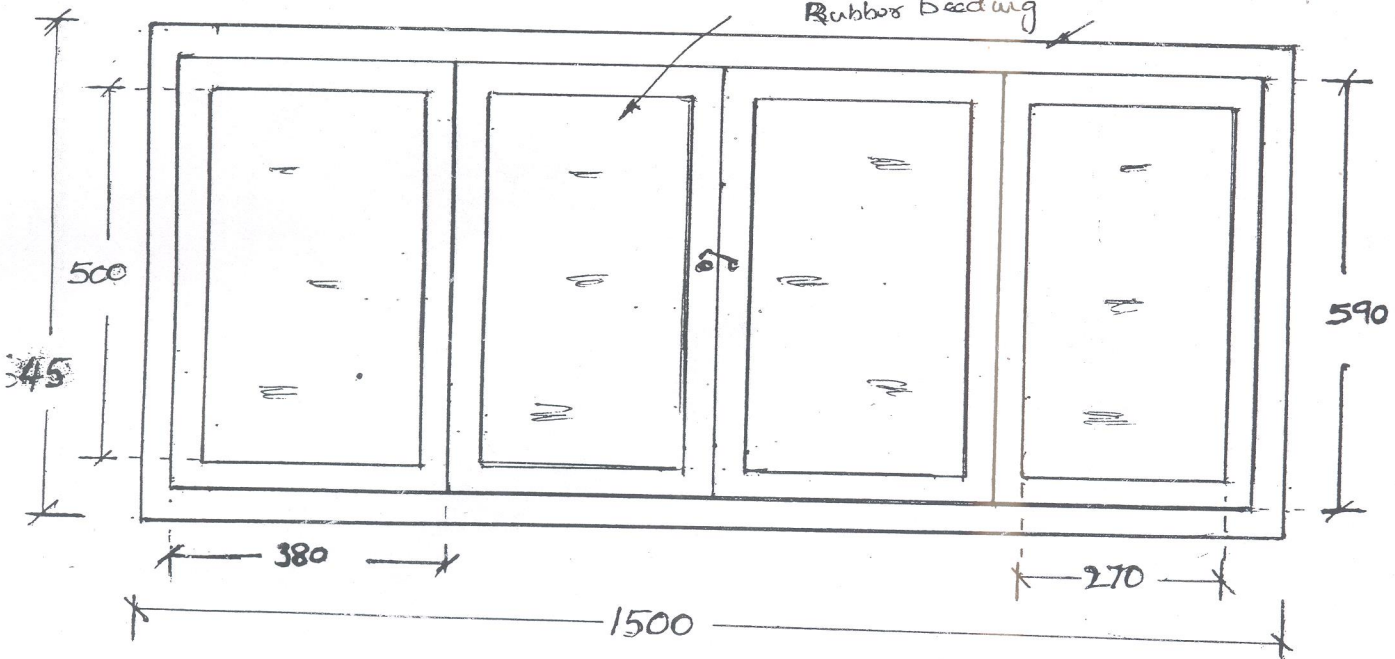


DOOR GLASS

Fig. 2

SLIDING SHUTTER
with Glass fitted with
Rubber bedding

Aluminium Frame



Thickness of glass = 4mm
(All Safety glasses)

Fig. 3

SIDE SLIDING SHUTTER

ASSEMBLY

CHENNAI PORT TRUST	
TITLE: DRIVER'S CABIN GLASSES	
N.T.S. ALL IN MM	
DRAWING NO. DLS/HWS/18/2008	
DRAWN BY	Jayala
CHECKED BY	Srinivasan
APPROVED BY	[Signature] 17/12/08 E & M (C.S.)