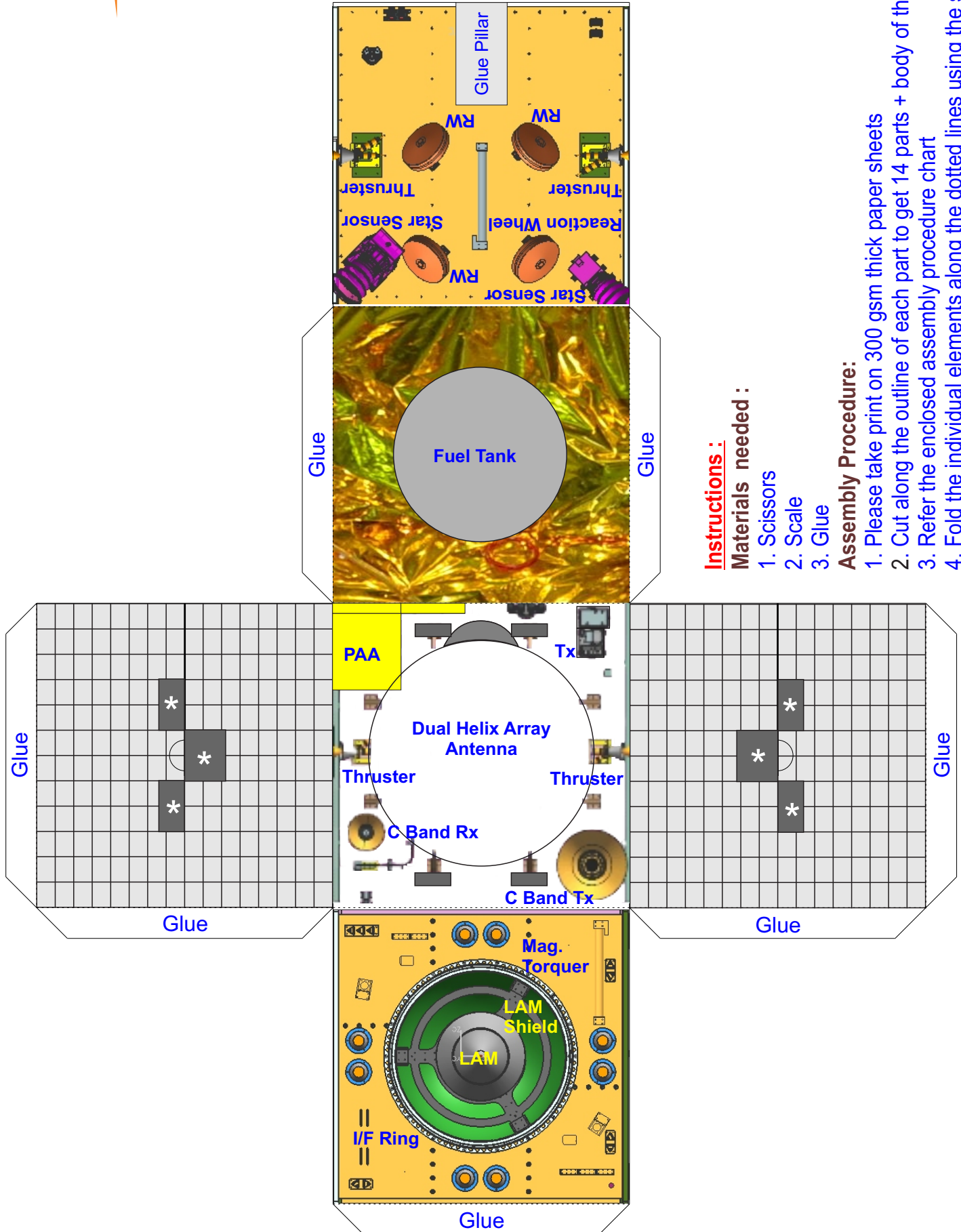


# IRNSS-1G Spacecraft Paper Model

(Scale - 1:25)

DO IT YOURSELF



Body of the Satellite

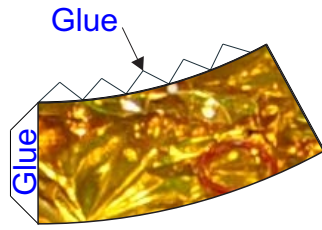
**Instructions :**

**Materials needed :**

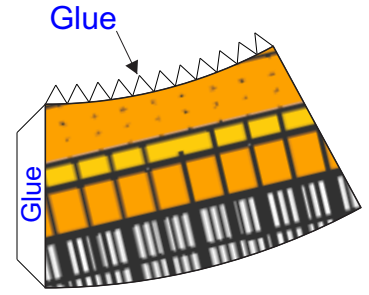
- 1. Scissors
- 2. Scale
- 3. Glue

**Assembly Procedure:**

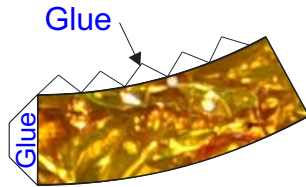
- 1. Please take print on 300 gsm thick paper sheets
- 2. Cut along the outline of each part to get 14 parts + body of the Satellite
- 3. Refer the enclosed assembly procedure chart
- 4. Fold the individual elements along the dotted lines using the scale as guide
- 5. Use good glue on the indicated areas to complete the individual parts and stick on body of the satellite at respective locations.



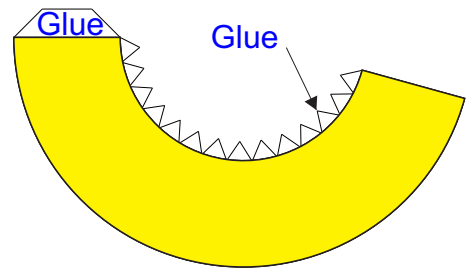
C band Tx Horn



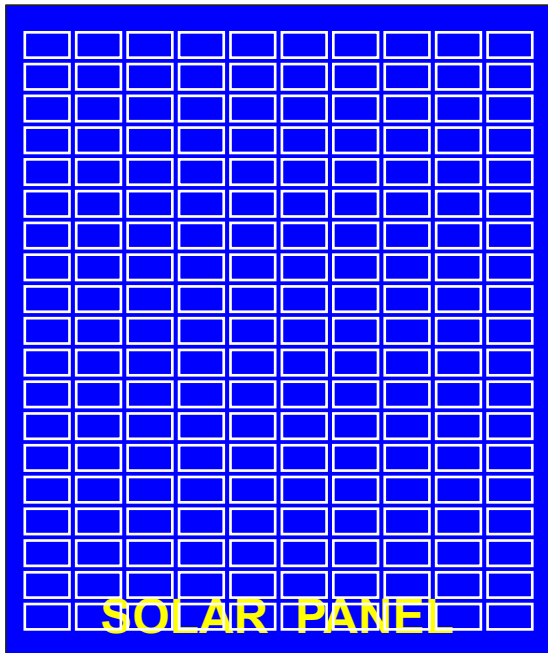
LAM



C band Rx Horn



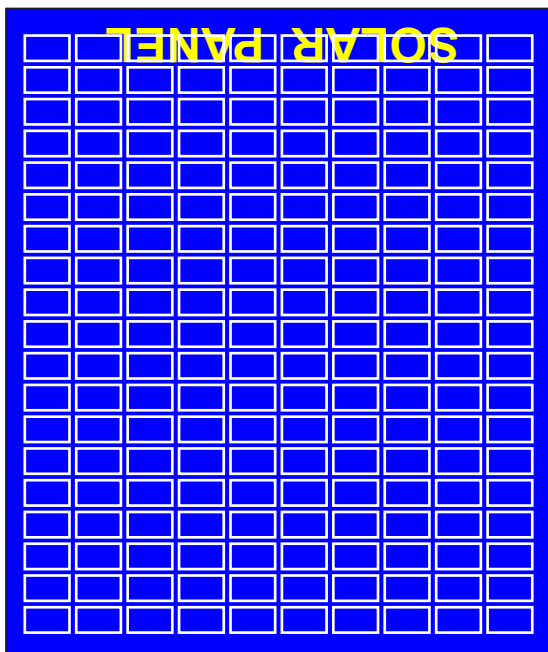
LAM Shield

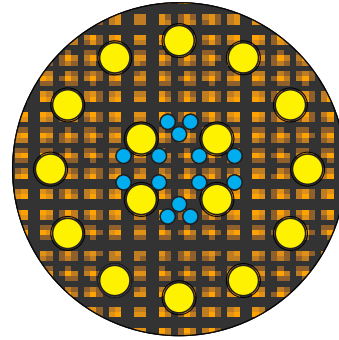


Solar Panels

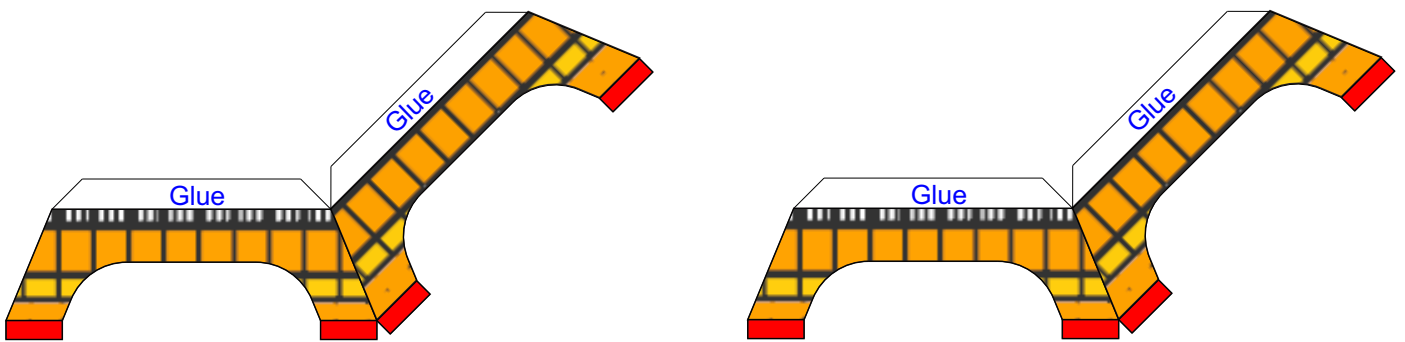


Glue on back side & paste it to main body of the satellite on area marked \*

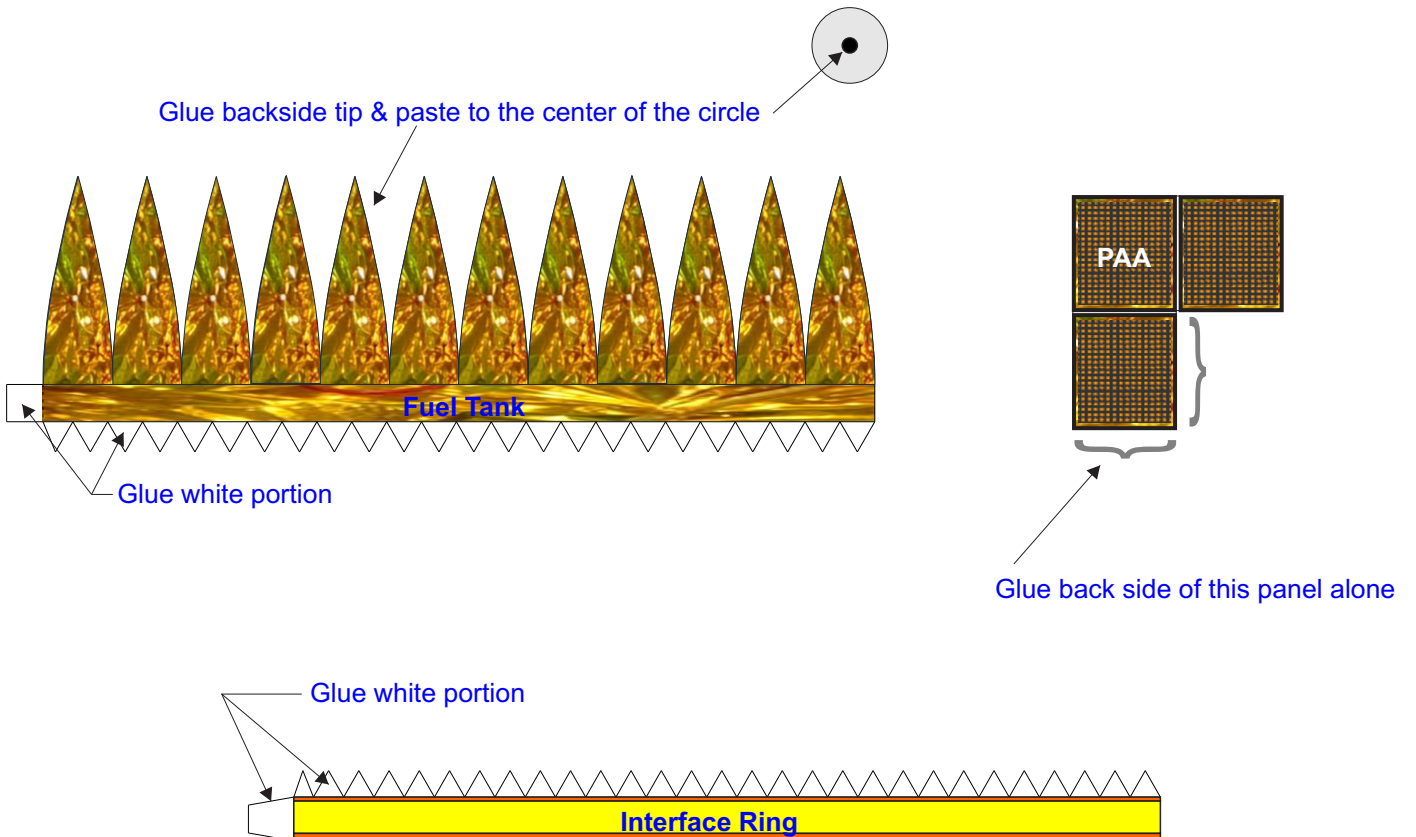




Dual Band Helical Array Antenna



Dual Band Helical Array Antenna Base



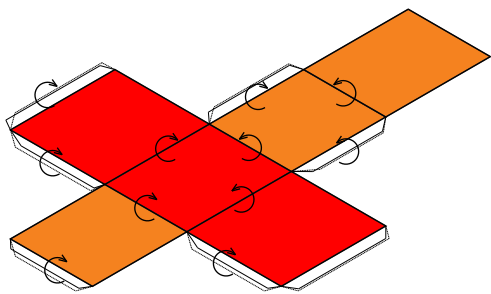


**Stand Base**

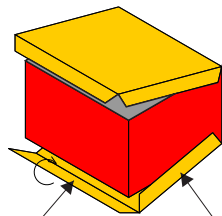


**Pillar**

# Assembly Procedure Chart

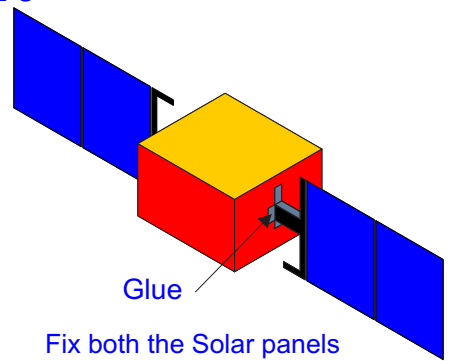


Fold all flaps as per the diagram



Tuck in flap  
Glue

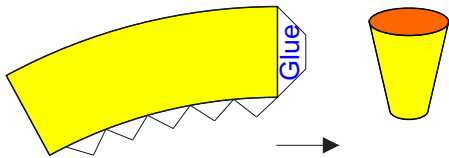
Fold & glue  
Insert the tuck in flap inside as per diagram to finish body of the Satellite



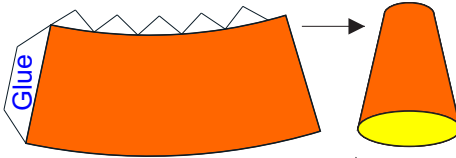
Glue

Fix both the Solar panels on the area marked on the body of the Satellite

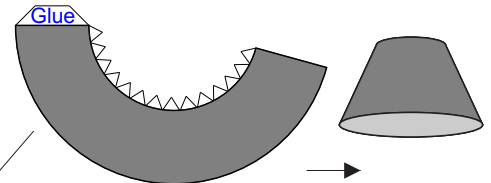
\*Make sure solar cells are facing in front as per diagram



Roll to form C Band Rx Horn



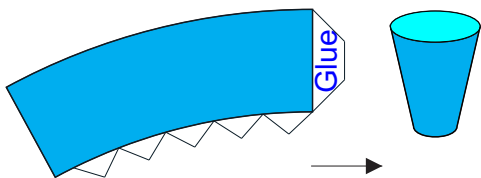
Roll to form LAM



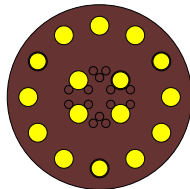
Roll to form LAM Shield



LAM & Shield Assembly

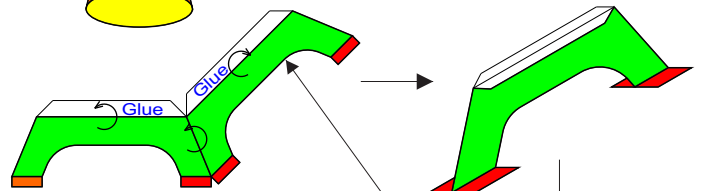


Roll to form C Band Tx Horn

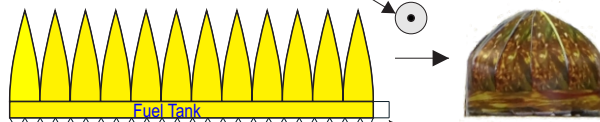
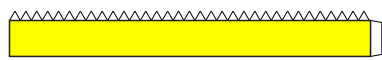


Dual Band Helical Array Antenna

Glue backside tip & paste to the center of this circle



Glue on back side

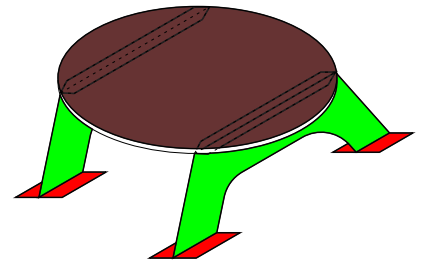


Fuel Tank

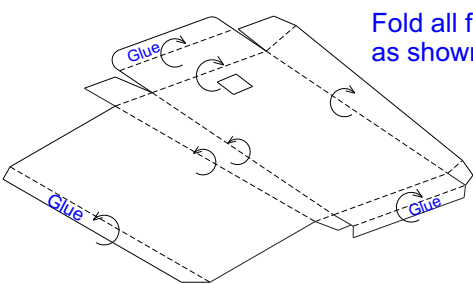
Glue white portion



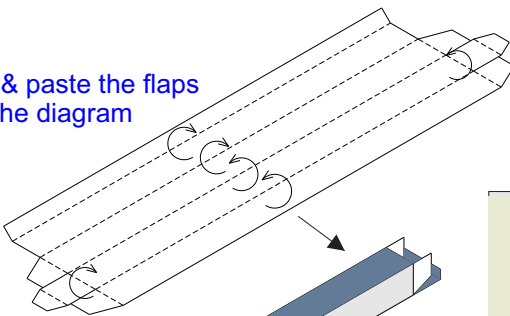
Roll to form upright cylinder to finish interface ring



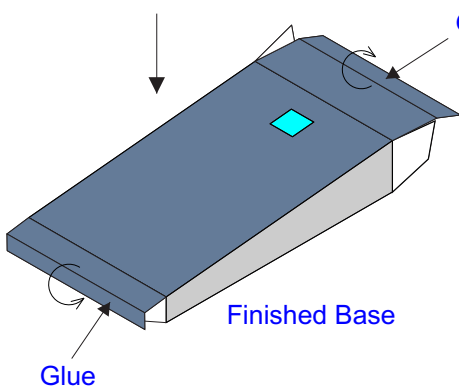
Finished Dual Band Helical Array Antenna



Fold all flaps & paste the flaps as shown in the diagram



Finished Stand



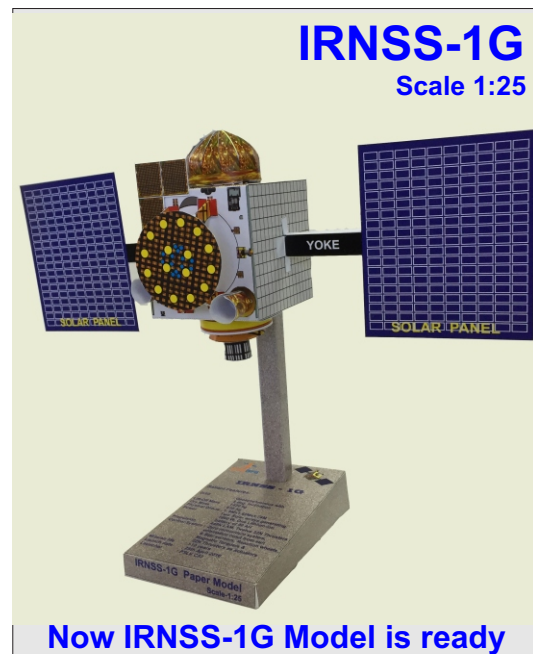
Finished Base

Glue

Apply Glue & fix Satellite

Apply Glue

Stick one end of the stand to satellite & other end to the base and glue as shown in the diagram



Now IRNSS-1G Model is ready