POOR MANS Slim Jim for 145 Mhz by VU2POP Appx gain is 2.5db Here is the simplest & cost effective method of homebrewing a Slim Antenna with easily available materials from your local hardware store. 39 inches Should cost appx Rs 50 or appx \$ 1 Using only min hand tools in your shack. 59.5 inches Measure from Top side of the pipe as you have enough length at the bottom to mount it clear from any metallic mast etc. Next measure and mark the lengths with a marker pen the outline in Red **14 SWG** showing as copper wire Copper 4 Drill or punch a hole with a sharp tool Wire or use a hot soldering iron Take 14 SWG copper wire and form it thro the holes and around the PVC pipe. 1 inch gap Solder the Coax Feed point as shown and adjust for best SWR by moving very marginally up and down. Your Poor mans Slim Jim is ready 19.5 inches mount it and have fun. Enjoy home brewing and Ham Radio Best 73 Pop Coax Feed point appx 100mm or 4 inches from bottom of copper wire U Hot end of coax to the longer length 59.5"

Shield to the smaller length 19.5"

► Grey PVC pipe 40 mm dia., length can be 7 feet



You can use cable ties OR insulation tape to hold the copper wire alongside the PVC pipe

A few close up pictures to add





