



**NAV BHARAT**  
Engineering Works

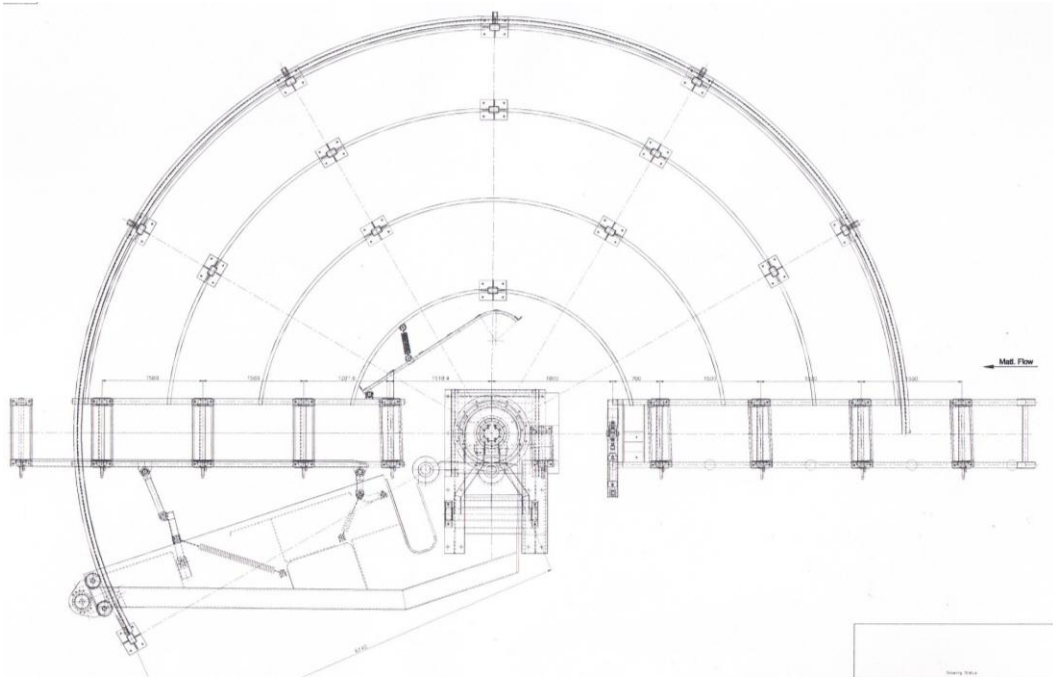
Bar Bending  
Machine

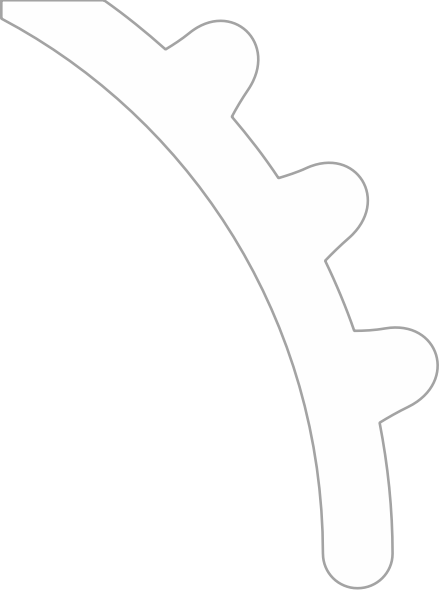


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# Bending Machine






*The equipment consists of Incoming roller table 800mm barrel, where the 2Mt master bundle over the 20 nos. 100 KG sub bundles moves to the bending position.*

*Semicircle platform made out of flat bend into semicircle formation is placed adjacent to the roller table. The outer semicircle is formed by I beam bend into semicircle, welded with a square to serve as track of the support roller, and a flat welded on the web, to serve as the base of the stretch wound duplex chain.*

*Disappearing pivot roll located at the center point of the semicircle, moves up to serve as the pivot pin.*



*The bending roll mounted on the Long bending arm moves in a semicircle over the bundle, to give it a perfect 180 deg bend. The bending force is generated by the hydraulic motor mounted at the far end of the bending arm, fitted with a duplex sprocket, moving over the chain stretch wound over the Outer semicircle.*

## **Specifications:**

*Total No. of rolls :11*

*Rolls are made out of Seamless Pipes:*

*Roll dia: 190 mm*

*Bore :150 mm*

*Barrel Length :500 mm*

*Drive : Individually by geared motor 2.2KW@85rpm*

*b) Base frames shall be provided under the rollers*

*c) Apron plates : (IS-2062) fabricated from 10mm thick plate*

*d) Bearings: SKF/FAG/NTN.*



Thank You

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