

INDIA: ERECTION OF 3 x 800 T SHIP TO SHORE CRANES AT PIPARAV PORT

PROJECT	EQUIPMENT	WEIGHT
H. INDU. / SHIPBUI.	STRAND JACKS	800 TON EACH

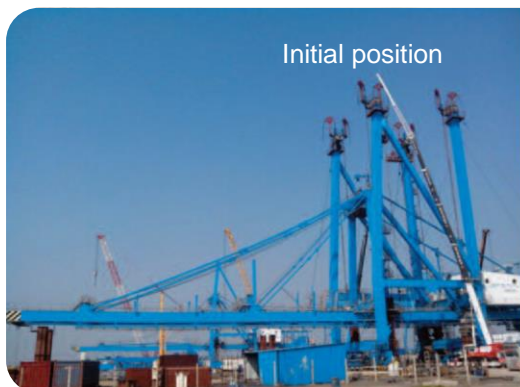


8 X L180 JACKS MOUNTED ON STOOL ON CRANE LEGS

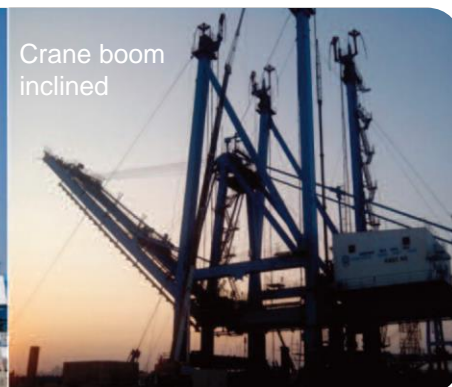


L50 GUY JACKS

Fagioli India was awarded the Erection of 3 x 800MT Ship to Shore Crane at Pipavav Port Gujarat, India. In this project Fagioli India used 8 x L180 capacity jacks for lifting the Crane from its initial position to the height of 42.0m. 2 x L180 jacks are mounted on each leg and 4nos.L50 jacks were installed at ground level as the additional Guy to provide force to encounter the eccentric action of lifting jacks and also to provide the additional force to move leg 30mm outside during the lifting. The boom was made inclined to 37° degree from the ground so that the C.O.G. of Super Structure engulfed between centers of the crane legs/lifting system.

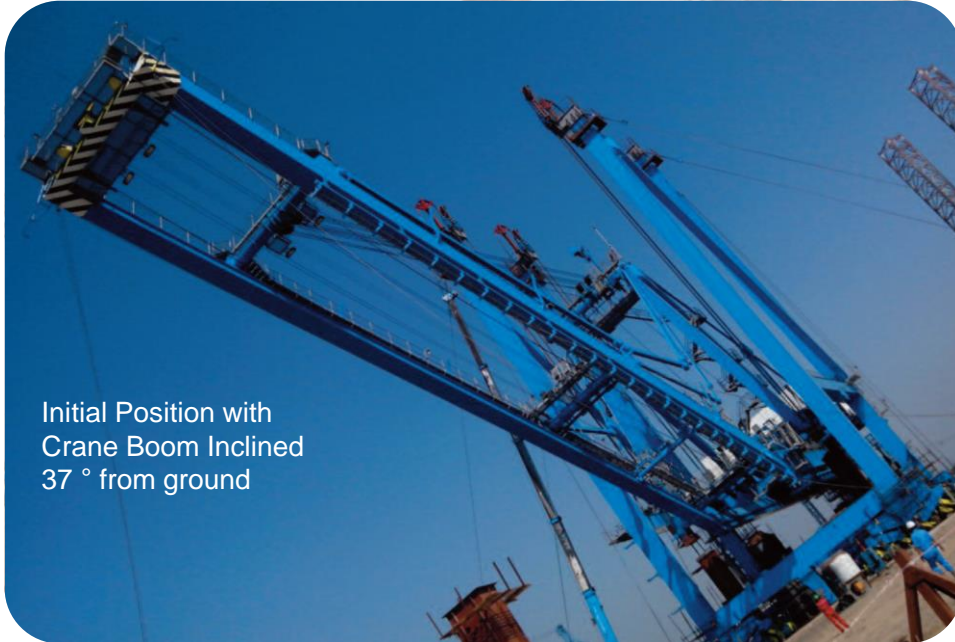


Initial position



Crane boom inclined

On 29th Nov. 2013 Main lift commenced followed by load test for one hour. During lifting, a continuous check on alignment and load fluctuation was executed through the monitoring on theodolite and power packs respectively. The operation was performed in thirteen hours. On 30th Nov. the crane reached to its final position of 42 m and final alignment and bolting of the same being carried out.



Final
Lifting
Position



Intermediate
Lifting
Position

