



No. MW/CS/TPL/APP/PROMAC/YTPS

Date: 13/01/2021

TYPE/MODEL APPROVAL CERTIFICATE FOR TIPLER INSTALLATION

1.	Certificate No. and date	No. MW/CS/TPL/APP/PROMAC/YTPS dated 13/01/2021 Ref: letter No. YTPS/RDSO/DGN/20/D-001 dated 15-12-2020
2.	Manufacturer	M/s Promac Engineering Industries Ltd., Kanakpura Road, Alahalli, Anjanapura Post, Bangalore-560108
3.	Test site	Test conducted at M/s Raichur Power Corporation Limited, (2x800MW) Yermaras Thermal Power Station, Chiksugur, Dist.- Raichur, Karnataka Siding as per RDSO specification G-33 Rev-1.
4.	Tipler Model no	Model no.- PEILWT
5.	Drng. reference	Promac's Drng. no.- G1-12-209-01 Rev.-5 (G.A. of Wagon Tippler)
6.	Type of Tippler	Rota Side Discharge type Wagon Tippler with Hydraulic clamping and Hydraulic drive (capacity 2x132kW)
7.	Capacity (Wt. & Height of wagon)	140T Max. and fit for 4205mm height from rail level
8.	Max rotation angle	160° (Max.)
9.	Tipping Cycle time	25 tips per hour
10.	Top clamping	6 nos. transverse type clamps with articulated beams and rubber pad contacting top of wagon at 12 locations (six each side), operated through hydraulic cylinders with spring relief as per Drng. no.- G1-12-209-01 Rev.-5. Hydraulic Clamping cylinder 6 nos., Size-160/110 x 1800mm stroke Maximum pressure -20-150 Bar on clamp cylinder
11.	Side support	1 no. Continuous longitudinal beam without rubber/resilient pad and covering full length of wagon side, hydraulically movable with articulation to cover parallel and tapered wagon sides with spring relief as per Drng. no.- G1-12-209-01 Rev.-5. Hydraulic Clamping cylinder 8 nos., Size-100/70x 500mm stroke Maximum pressure -Up to 20 Bar (applied)
12.	Wheel gripper on tippler table	1 set wheel gripper provided to apply balanced pressure on both sides of wheel rim through hydraulic means and with lateral float to accommodate shift of wagon wheel gauge over tippler platform as per Drng. no.- G1-12-209-01 Rev.-5. Hydraulic clamping cylinder 4 nos., Size-125/70x 300mm stroke
13.	Side arm charger	Drng. no. - G1-12-209-02 Rev.-5. (GA of Side Arm Charger) Drng. no. - 901 WT 00SMI 17 001 Rev.-0 (GA of Wheel gripper assembly)
14.	RDSO no allotted	MA012021-G33R1-PROMAC-S-DT
15.	Approval	Dated: 06-01-2021
16.	Validity	Valid for a period of five years from approval date

This is to certify that the Model no. - PEILWT installed and commissioned successfully as per RDSO specification G-33 Rev-1.

Remarks: The above approval is subject to following conditions:

1. RDSO allotted no. may be indicated on the wagon tippler & control panel of the wagon tippler.
2. The attached drawings, its supplementary type approvals terms and conditions and annexure-A form part of this certificate. Other list of conditions is given overleaf.

(संयुक्त निदेशक/माल डिब्बा)

संयुक्त निदेशक/माल डिब्बा
कुले महानिदेशक/माल डिब्बा

Copy to: -

1. GM/ Mechanical, All Indian Railways.
2. M/s Promac Engineering Industries Ltd., Kanakpura Road, Alahalli, Anjanapura Post, Bangalore-560108.