
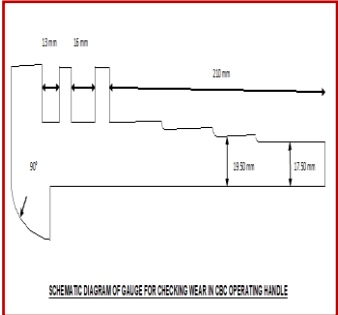











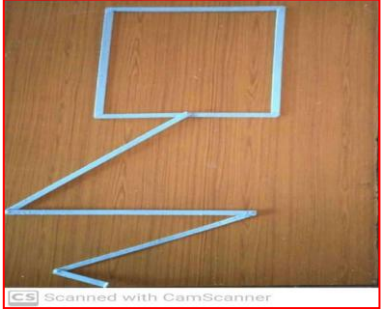



**INNOVATION / BEST PRACTICES BY MECHANICAL(C&W),
NGP DIVISION (DURING 2020-21)**

SN	Description	Photo
<p style="text-align: center;">1</p>	<p>GO-NO-GO Gauge for checking defects of CBC operating handle and bearing piece in wagon.</p> <ul style="list-style-type: none"> ➤ Accuracy in measurement with time saving and less skilled staff can also check the different dimensions of CBC operating handle in wagon. ➤ Cost incurred : Rs.1000.00 ➤ Developed by: C&W depot, Itwari. 	  <p style="text-align: center; font-size: small;">SCHEMATIC DIAGRAM OF GAUGE FOR CHECKING WEAR IN CBC OPERATING HANDLE</p>
<p style="text-align: center;">2</p>	<p>Locking arrangement for CBC operating handle of wagon.</p> <ul style="list-style-type: none"> ➤ For Ensuring Proper Locking of CBC operating handle. ➤ Cost incurred: Rs 500.00 ➤ Developed by: C&W depot, Itwari. 	
<p style="text-align: center;">3</p>	<p>Development of 'Height adjustable portable table' for attending repairs in wagons from outside and off side of platform.</p> <ul style="list-style-type: none"> ➤ Repairs in wagon doors like door jam, welding repairs specially in BCNHL type wagons are attended effectively with ensuring proper safety of staff. ➤ Cost incurred : Rs.1850.00 ➤ Developed by: C&W Depot, Chhindwara. 	

		
<p>4</p>	<p>‘Enhancement of Speed of wheel crane from 40 Kmph to 60 Kmph by suitable modification.</p> <ul style="list-style-type: none"> ➤ Suitable modifications like securing of counter weights, provision of adjustable wheel skid and wheel securing with wire rope arrangements are done to enhance the speed. ➤ Cost incurred: Rs.12000.00 ➤ Developed by: Coaching depot, Gondia. 	 
<p>5</p>	<p>Development of ‘Axle mounted extension gadget’ for lifting of wagon for EM pad replacement.</p> <ul style="list-style-type: none"> ➤ Benefits: EM pad replacement and adapter cant/replacement can be attended with only 01 Jack of 25T capacity and by deputing 03 staff, which require 03 Jacks and 10 staff for attending such repair in loaded wagons. ➤ Cost incurred: Arrangement made with un-serviceable screw coupling of ICF coach. ➤ Developed by: Coaching depot, Gondia. 	 

<p>6</p>	<p>Development of 'Drum carrier & Unloader' for transportation and unloading of filled drum.</p> <ul style="list-style-type: none"> ➤ Benefits: Only 02 staff can handle the filled drum easily. Safety of staff and drum content is ensured. ➤ Cost incurred: Rs.3650/- <p>Developed by: Coaching depot, Gondia.</p>	 
<p>7</p>	<p>Gadget for measuring of Body bulged of wagon.</p> <ul style="list-style-type: none"> ➤ Benefits: Measuring of wagon body bulged is a difficult task. By using a Pendulum and Measuring scale, the measurement of bulged dimension of wagon body can be taken easily with this gadget. ➤ Cost incurred: Rs.3650/- ➤ Developed by: C&W Depot, Dongargarh. 	
<p>8</p>	<p>Template for LHB coach cutting for rescue of passenger during major accident</p> <ul style="list-style-type: none"> ➤ Benefits: During major accident, it is most essential to evacuate trapped passengers quickly from the coach. By using this template proper marking on roof or side wall of LHB coach can be done quickly for cutting of coach to make the path for rescue staff and evacuate the trapped passengers. ➤ Cost incurred: Rs. 1500/- ➤ Developed by: C&W Depot, Itwari. 	  <p>Scanned with CamScanner</p>

<p>9</p>	<p>GPS Tracking in Tool Van DGG:</p> <ul style="list-style-type: none"> ➤ As per Railway Board guideline issued on 24.09.2019 vide letter No. 2019/M(M&P)/7/DM/Real Time Monitoring, GPS based Real Time Tacking device of M/s. Trackway, Indore is installed and commissioned at Tool Van, DGG on 19.02.2021 to monitor the movement of Tool Van. ➤ Benefit: ➤ Maintain common platform over IR for GPS tracking by providing customised server,web & mobile App on Android and iOS platform. ➤ RB/HQ any other Official can see and track the movement of ART/SPART/ Crane whenever required. 	
<p>10</p>	<p>HRE in Tool Van DGG:</p> <ul style="list-style-type: none"> ➤ Tool Van DGG has been upgraded by providing 01 complete set of BEMCO make Hydraulic Re-railing Equipment (HRE) in place of manual hydraulic jacks. ➤ Benefit: ➤ Independently railed Locomotive / loaded wagon till the ART reached at site. 	