









Achievements/ Important works done in FY 2020-21 of Mechanical (C&W Department) ALD.

Apr 2020

A	<p>There is a war against Corona across the country, in which "Indian Railways is playing an important role by running Parcel (Goods) Train and Food grain Train". Meanwhile, the engineers working in the train maintenance at ICD of North Central Railway have installed life-saving instruments for safety of railway employees.</p> <p>Fully automatic sanitizer cabin for Railway staff has built by Dadri Depot of the mechanical department. It is made in minimum cost and known as "sanitizer cabin" (using RO motor to make pressure and fog that pressure Four sprays (body sprays / room sprays) have been used to convert.)</p> <p>As a precautionary measure, when the railway employees come to the office, to protect from 'Korana' during the public down, everyone passes through the sanitizer cabin to reduce the risk of a global epidemic</p>	
B	<p>Sanitization tunnel for preventing spread of 'COVID -19' was developed by Coaching Depot PRYJ of North central Railway mechanical department. It is developed through available assets and resources. Tunnel was 13 feet long, four feet width and eight feet height. It has prepared through jet cleaning with with spread, due to this whole body was sanitize in less time. DRM/PRYJ appreciated the work and awarded Rs. 5000/- to the Coaching depot PRYJ.</p>	
C	<p>On Ambedkar Jayanti Day i.e. 14.04.2020, celebration was organized for Officers, staff, supervisors and trainees at various C&W depots over PRYJ Division.</p>	
D	<p>Even after odd condition of Lock down due to COVID-19 C&W Depot ICD-DER, TDL and other depots of mechanical C&W Department, developed Padel operated water, hand wash and hand sanitizer dispensing system by using resources available in the depots</p>	
E	<p>In this Crisis period in country, all Railway employee show their dedication in working and also support rail financially. For this all employees of mechanical C&W department of PRYJ Division also work hard with dedication and follow the COVID 19 instruction and also deposited Rs. 4,77,360.00 in 'PRYJ RAIL RAHAT KOSH' as a Relief fund to support the Rail financially.</p>	

	May 2020	
A	<p>For sanitize the hand, locally made stand for dropping the sanitizer in hand was developed and installed in DRM Office and Depots.</p> <p>Due to COVID-19, Hand Sanitizer Gel type consists of 70% of Isopropyl Alcohol suitable for Killing Germs and Making railway employee hand free from all kinds of viruses. Sanitizer have ingredients with alovera gel as CDC-recommended for alcohol-based, which inactivates viruses that are genetically related to, and with similar physical properties as of COVID-19. It helps in keeps hands clean, safe and sanitized and kills 99.99% of many common harmful germs and bacteria in as little as within 15 seconds and leaves hands feeling soft.</p>	
B	<p>For Spraying Sanitizer to sanitize the offices and Depot premises, a Petrol operated sprayer with amplified optimizing mist blower along with standard tools with accessories was procured through Non-stock indent. It was procured to inactivates viruses that are genetically related to, and with similar physical properties as of COVID-19.</p>	
C	<p>For smooth working in COVID-19 environment, a High technology filter media with micro fine fibers mask procured through Non-stock indent, which is substantially of filter media to fit on the face covering and nose. It has Aluminum nose wire attached with EVA hot melt adhesive. It is Silicone & latex free. It have also Polyester inner and outer shells. It is Electro statically treated polypropylene melt blown filtration layer with Non-woven Fabric, Which helps to filter large dust particles, And it is also water resistance and electric charged which keeps Bactria away. It has very light weight i.e. 10 gram.</p> <p>A face cover shield is required for smooth working, which is Double anti-fog PET (Thickness: Approx 2 mm) With thick sponge. clear plastic and provides good visibility. It has adjustable band to attach firmly around the head and fit snugly against the forehead. It is also Fog resistant and completely covers the sides and length of the face which protect from COVID-19 virus during the working</p>	
D	<p>A compact contactless dispensing unit sprays alcohol based sanitiser when both hands are placed under it, its aerated mist based formula uses only 5-6 ml. of sanitizer ensuring optimum usage and releases full cone spray mist for 12 seconds in single operation. Contactless technology works on Ultrasonic sensor to ensure zero touch, high operational precision to completely disinfect both hands at once. A wall mountable unit is Enabled with two display LEDs to indicate on/off status and dispensing in progress. Bulk sanitizer container tank makes it hassle free and economical.</p>	
E	<p>88 Nos. Shramik special trains (21- PRYJ, 18-CNB, 26 -DER & 21- DKDE) have been maintained at PRYJ Depot</p>	

JUNE 20

A

Atmospheric Water Generator (AWG) machine is a unique concept which harvest atmospheric moisture to produce drinking water. Air is drawn in to the machine, where it passes through an air filter to remove any dust or pollutants present. It is then passed into the Cooling Chamber present inside the machine which reduces the temperature of the air to the Dew Point temperature. This is the temperature at which water vapour becomes liquid water. Following the cooling process, water droplets are formed on an Evaporator Surface which is made of Food-Grade Stainless Steel. These water droplets then drop down into a Food-grade Stainless Steel Trough. The water present in the Trough is then collected in a Food-Grade Stainless Steel Water Storage Tank. Once collected the Filtration Process starts. The water is passed through a sediment filter, which removes contaminants up to 5 microns, following which it is passed through a carbon filter/s, which remove/s any bad odour or taste from the water. Finally, the water passes through a Mineral cartridge where it is Re-mineralized with essential minerals such as (Sodium, Potassium, Calcium, Magnesium and other essential minerals in trace amounts), following which it is sent through a UV filter before dispensing. It requires no source of water & 100% microbe-free. Water is free from heavy metals. Environmentally friendly, it Provides cold water and ambient temperature water.





B

On International Yoga Day i.e. 21.06.2020, yoga session was organized for Officers, staff, supervisors and trainees at various C&W depots on ALD Division.




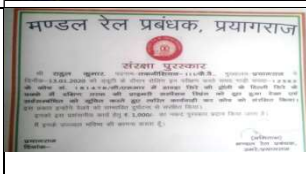







	JULY 2020
	ROH outruns of GMC freight depot for the month of July-20 is 192 wagons (133-BLC, 25-BRN & 34-BOBYN) which is highest ever done by GMC. Previous best was of 183 wagon for the month of Feb-20. DRM/NCR/PRYJ pleased with the achievement of the depot and announce a Group cash award of Rs 10,000/-. (It is also bring under your kind attention that despite the pandemic COVID-19, this target is achieved by GMC which is highly praiseworthy)

	AUG 2020
	All depots of Mechanical C&W department over ALD Division celebrate Independence day on 15th Aug'20. Many Depots distributed prizes and Certificates to best worker to boost up the work of depots with more efficiently.
A	
	A special drive for cleanliness was launched under 'Independence day' at all the C&W Depot of ALD Division since 10.08.20 to 16.08.20. All C&W Depots participate in drive and clean their offices, working premises and surroundings.
B	

C	<p>DRM/PRYJ gave award to 53 staff of PRYJ Division. 03 Mechanical C&W staff (i.e. Sri Shashikant Singh Caprp.I/PRYJ, Om Kant Tech. III/TDL & Sadanand SSE/ CNB) was also part of this elite group who were recognized at highest level for their exemplary work</p>	
D	<p>GM/NCR gave award to 20 staff over NCR. In this 09 staff of PRYJ Division. 01 Mechanical C&W staff (i.e. Sri Prashant Kumar Singh SSE/ PRYJ) was also part of this elite group who were recognized at highest level for their exemplary work</p>	

	SEP 20	
A	<p>An intensive drive for cleanliness was launched under 'Sawachha Bharat Mission' at all the C&W Depot of ALD Division on 16.09.2020. On this day 'Sawachha Bharat Mission' was celebrated over the Division by taking out Oath by Branch Officers, Supervisors and all C&W staff of all depots. Posters, cleanliness display in station and banners related to cleanliness. Unified instruction displayed for CORONA awareness among Rail users..</p>	
B	<p>A model has been prepared by helper Abhishek Baneerjee of Prayagraj station on the occasion of Vishwakarma Pooja. This is an exemplary example of creativity. It is a model of Prayagraj Express Engine and LWRM with one coach. It's made by some useless material hard, hardboard, wires plastic cork, and other materials during lockdown period i.e. almost in 5 months. It is hand made project.</p>	
C	<p>On Vishwakarma Pooja Day i.e. 17.09.2020, celebration was organized by staff & supervisors and trainees at various C&W depots over PRYJ Division.</p>	

	OCT 20									
	An intensive drive for cleanliness was launched under 'Swachha Bharat Mission' at all the C&W Depot of ALD Division from 16.09.2020 to 02.10.20. On this day Swachha Bharat Mission' was celebrated over the Division by taking out Oath by Branch Officers, Supervisors and all C&W staff of all depots. Posters, All days with mention activities are perform by staff, supervisors and trainees employee with full dedication and devotion.									
A	Swachh awareness Diwas	Swachh Station Diwas	Swachh Rail Gadi Diwas (CTS +MCC)	Swachh Hospital Diwas	Swachh Neer Diwas (Clean water)	Swachh Aahar Diwas	Swachh Parisar Diwas (Residencia I Colonies)	Swachh Parisar Diwas (work places & Offices)	Swachh Parsadhan Diwas	Swachh competition Diwas
	Awareness about cleanliness, Aim of this Swachha Pakhwada	As observance of this day as Swachh Station Diwas	Garbage collection, cleaning of Gang way washbasin etc under CTS	ARME & ART Supervisor van thoroughly cleaned	Overhead water tanks have been thoroughly cleaned by staff. Intensive clean	In CI/CTC facilities of Ahar for apprentices up graded	Cleaning of Residential Colonies of PRYJ, CNB & other Depots	Cleaning of Official Parisar with its washing	Staff urinal pot at NCC in Adm. Block & Staff toilet	Painting & Poster completion
										
B	On the occasion of Gandhi Jayanti Day i.e. 02.10.2020, celebration was organized by Officers, staff, supervisors and trainees at various C&W depots over PRYJ Division. All officers, Supervisors, trainees and staff take oath for cleanliness of house and working areas.									
C	This model is of PRAYAGRAJ EXPRESS (12417/18) having Engine,LWLRRM and one AC coach. It is made by some useless materials like hardboard, wires, plastic corck,small LED bulbs, tin and plastic and hard boards. it's body parts are made by some other materials also,buffers are made by plastic syringes, couplings, vestibules gates, hose pipes also made by hard wire, Coaches PROs also mention. All details are also mentioned in this model as in coaches. It is made during lockdown period i.e. in five months. This model is totally hand made project. It is first & solo effort of Sri Abhishek Banerjee, Helper/ C&W /Mech./PRYJ, T. No 1024. DRM/PRYJ appriciated the model and awarded Rs. 2000/-.									
D	On the occasion of COVID-19 precaution Day i.e. 08.10.2020, Pledge was organized by Officers, staff, supervisors and trainees at various C&W depots over PRYJ Division. All officers, Supervisors, trainees and staff take oath for taking precaution to spread of deadly virus in house and working areas.									
E	Shri Rahul Kumar Tech-III PRYJ, while working at rolling in examination point in PRYJ station PF on 13.01.2020 identified critical Primary spring broken of coach No. 181478/C SR LWSCN in train No. 12562. He was recognized for his commendable work and awarded at DRM/ALD level during Divisional Safety Review Meeting on 06.10.2020 with Rs. 1000/- .									

	Nov 20	
A	<p>As per GM/NCR letter No. 355-W/GM/Sanction/Regular/ Spl. Rains of AC/ Non AC/DDU-CPYZ/NCR /Bridge dated 13.11.20, speed of train No. 02417/18 was enhanced and now train run with speed of 130 KMPH. On this occasion, on date 25.11.2020, first time train was run with speed of 130 KMPH and same was inaugurated by GM/NCR. In this occasion all officers with DRM/NCR also present.</p>   	
B	<p>On the occasion of Constitution day i.e. 26.11.25, Oath taken by officers, staff, supervisors and trainees at various C&W depots over PRYJ Division of mechanical C&W department. All officers, Supervisors, trainees and staff take path for “solemnly resolve constitute of India and to secure justice, social, economical and political liberty of thought, expression, belief, faith and worship of Indian.</p> 	
	DEC 20	
A	<p>Increasing Claw height of JMP Jack (Capacity 15 T) - With existing level of claw height from ground level 710 mm, JMP Jack was not useful for lifting of LHB for drawing out of LHB coach trolley for Schedule/Unschedule maintenance of coaches. At both cosching depots i.e. PRYJ & CNB claw height of JMP Jack was modified to 900 mm from ground level.</p> 	
B	<p>DRM/NCR/PRYJ inspected NCC (New Coaching Complex) in night of 18.12.20. Commented on following points.</p> <ol style="list-style-type: none"> 1. LHB wheels should be disposed as soon as possible. 2. DRM/PRYJ apreciated the cleaning work of depot and machinery. 3. DRM/PRYJ also appreciated greenary & plantation of depot. 	

JAN 21	
A	In this Month 42 rakes of single pipe made twin piper. Total 263 rakes of single pipe made twin pipe since Apr'20
B	As per CRSE letter No. NCR/Mech./810/BLC/CONCOR Dated 29.12.20, two rakes of HTPL allotted to GMC Depot. Two numbers of HTPL Container Rakes were first ever offered for CC Examination in GMC Yard. Team of Supervisors and staff of GMC Yard successfully conducted the CC examination with in their existing resources i.e. Man power & Machinery
C	PRYJ Division is organizing special exhibition cum passenger facilitation centre in Mela area during Magh Mela every year. During current year exhibition Mechanical C&W organized improved cut and other type of models of various rolling stock operating on IR which was appreciated from all corners.
D	 <p>cleaning of rakes other arrangement for cleaning and watering was made through outsourcing which was operated at pit lines, ACOI, NYN, SFG and other stations during Magh mela period.</p> <ul style="list-style-type: none"> •Detailed deployment of supervisors was given on mela days from D-1 to D+1. •Unique identification i.e. MM-1, MM-2 and so on were given to mela special rakes and it was also indicated on rake to avoid any confusion among PF, Tower CNL and Mela CNL. Similarly, all coaches of mela special rakes were provided with mela special destination boards. •Arrangements were made through close co-ordination among Tower CNL, Mela CNL and Stations were ensured so that all mela special rakes being berthed at ALD, ACOI, NYN are placed at PF in open condition and fully watered to avoid any detention at PF. All rakes coming to ALD from SFG side and ACOI/NYN side were attended for door opening and watering at these stations.
E	<p>On Republic Day i.e. 26.01.2021, celebration was organized for Officers, staff, supervisors and trainees at various C&W depots over PRYJ Division. Efforts of Mechanical C&W department of ALD Division were recognized during republic day on 26.01.2021. In Division level, out of 30 three Mechanical C&W staff were awarded by DRM/ALD for their commendable work in their field.</p> 