



## MD's Corner

Dear Colleagues,

METRO CONNECT returns after a brief suspension caused due to sudden outbreak of COVID-19 pandemic and the subsequent Lock-down imposed in the country. Coronavirus has greatly impacted life and livelihood within the country and Maharashtra has been the worst affected state both in terms of a number of cases and fatality. It also resulted in the stoppage of all work of Maha-Metro, breakdown of supply-chain of contractors and substantial depletion of their workforce, particularly labour.

However, at the outset, I compliment the Maha-Metro family for having stood together resolutely and having worked shoulder to shoulder to ensure that we all remain free from the clutches of the Coronavirus. We move forward with re-dedication and we will need greater vigil & precaution from here.

Full credit goes to the entire Maha-Metro team for how it has regrouped, remobilized and re-started the project development activities both at Nagpur and Pune since early May. Indubitably, it has been possible due to complete teamwork and spirit of oneness exemplified by the Maha-Metro officials and employees, General Consultant (GC), Contractors and Sub-Contractors who have kept the flag flying during the time of extreme adversities. Many labourers working at sites have shown exemplary courage by staying put and not succumbing to the temptation to return back to their hometown. I thank one and all for this extraordinary commitment to the call of duty. Credit is also due to all family members who have resolutely stayed behind us to ensure that we all keep going.

I have no doubt that with the dedication and hard work of larger Maha-Metro family, we shall ensure that the time lost due to Coronavirus and project lockdown is recouped fast.

Wishing all good health and Godspeed.



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## Taking Pune Metro Project Forward in COVID Pandemic

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The COVID 19 pandemic has adversely affected infrastructure projects across the country including that of Pune & Nagpur Metro Rail Project.

The impact started with the first lockdown imposed nationally on 24.03.2020. Works came to a standstill and the 7000 strong labour force was confined to the labour camps. All out efforts from contractors and Maha Metro side were directed to the welfare of the labour force. Maintaining social distance with the provision of isolation rooms in the labour camps, the use of PPE kits, daily sanitization and daily thermal checking was ensured in all the labour camps. Doctors visited these labour camps daily to monitor the health conditions of labourers. Ration and vegetables were delivered at the doorsteps of the labour camp. Financial assistance in terms of paying them wages even though labour were idling was ensured.

The works were at a standstill from 24.03.2020 to 30.04.2020. Pune Municipal Corporation and Pimpri Chinchwad Municipal Corporation partially relaxed restrictions for Metro work in the first week of May 2020. Thereafter the works resumed with the prime focus of Monsoon related works. However, as the Government relaxed the inter-district movement of Personnel and arranged various transportation modes for the movement of migrant labours back to their homes, there was a severe drop in the number of labours from about 7000 to less than 1000.

Since June 2020, the contractors started establishing links

with the migrant labours and persuaded return by way of various incentives. Maha Metro wrote letters to district administrations to assist in arranging travel passes of migrant labours back to Pune. Rail tickets, Bus tickets and even Air tickets were arranged by contractors as also transport from their villages to the nearest Railway station from where trains originated.

Due to above workers started returning and today 1500 labours are deployed on Pune Metro. It is expected that labourer's number will be 7000 labours by August 2020. During the lockdown when work at the site was minimum, Maha Metro adopted innovative technologies like Video conferencing while working from home. Substantial progress was made in this period in the field of Design and Drawing delivery, resolving contract matters like variation and extension of time etc. The Metro staff were also encouraged to join various webinars for skill development and enhance their skills. Continuous calls were organized with the entire team of Maha Metro to ensure the safety of all and enquire if any support was required for the well-being of the employee and their families.

To ease out contractor's cash flow, measures like the release of proportionate Performance Bank Guarantee, postponement of advances, recoveries, the extension of time, payment of idling labour charges etc., have been initiated. Today team Maha-Metro is working to compensate the time lost during lockdown by innovatively trying to accelerate the project execution.

# SPECIAL FEATURE



## Metro Bhavan a new Land Mark of Nagpur



The newly constructed Metro Bhavan is a new marvel of green building and a new Landmark of Nagpur. It has been constructed with lots of planning and foresight. It houses all departments of Maha Metro apart from being a potential learning place. The 'Rainbow Gallery' at the ground floor of Metro Bhavan showcases different shades of the city project. The basic concept of using 5D BIM, the Maha Card, Non-Fare Revenue Box, Cost-Saving Initiatives have been well explained in the gallery. As one steps inside the building, the 'Exhibition Centre' at the left offers a beautiful view of the Maha Metro Nagpur project at a glance. The exhibition centre has models which give a vivid description of various important facets of the metro project like Sitabuldi Interchange, the proposed state of the art Transport Hub, adjacent to the Interchange building. The Zero Mile Metro Station, safely embedded in the 20 storey building. The proposed Traffic and Transit Management Centre (TTMC) at Patwardhan Ground, near Sitabuldi Interchange is also one of the models for display at the exhibition centre. The 'Aqua and Orange Lines' of Nagpur Metro Project, the stations, the 3 and 4-layer transportation mechanism are on display at the exhibition centre. The 'Experience Centre' presents a virtual learning

experience for all. The experience centre gives the current status of the project on a big screen. The details of the project being executed at various working sites of the city have been graphically detailed at the experience centre. Apart from 'Exhibition Centre' and 'Experience Centre', the Metro Bhavan has also some other unique features to offer. One such feature is the ultra-modern 200-seater state-of-the-art auditorium. The seating arrangement and acoustics are world-class. A range of books is available at the Maha Metro's library, which is also located on the ground floor. Varied types of books - from subjects like science, history, geography etc., are in the library. Current affairs and various other magazines associated with the Metro project & construction industry are subscribed at the library. Most importantly, the library has books in as many as three languages - Hindi, Marathi and English. Another attractive feature is a canteen on the ground floor. Apart from the culinary collection, it provides one of the most exquisite interiors. The old-fashioned scooter replica, a cycle being converted into wash-basin, unique sitting styles are some of the must-watch items for a visitor. The special lighting arrangement adds to the charm of the canteen.

# THE INNOVATION CORNER

## Nagpur Metro Gears Up For Post-Corona Operations



In the wake of the COVID-19 pandemic, Maha Metro has geared itself to be ready for resuming passenger services, in the post-lockdown period. A series of measures are being taken to ensure that the commuters as much as the Metro Staff is fully safe & secure. As per norms, only passengers with face masks would be permitted inside the Metro station. In other words, no passenger without a mask can travel by metro train. This is

as per the mandatory guidelines laid down by the statutory authorities.

Secondly, all the passengers entering the metro station would be screened with Thermal Gun. Metro staff deployed at the stations would check the body temperature of each commuter using Infrared Thermometer.

Checking body temperature has become an accepted norm for establishments all over. If any abnormality is found during temperature check of passengers, the Station Controller of the concerned metro station would contact the concerned & nearby health authorities for further directions. The subsequent action would depend on the directions issued by the authorities.

Another important aspect of these norms is the fact that Maha-Metro would deploy one staff on each train to ensure that the passengers follow the social distancing norms. He/she will also guarantee proper boarding and de-boarding by the commuters at metro stations.

In order to ensure better compliance of the laid down norms, only one entry gate would be opened for commuters to get inside the metro station. This would facilitate better screening of passengers. All these measures are being taken as per the norms and procedures laid down by the statutory authorities.

## Clearance of River Front in Record Time

Pune Metropolitan Region has two major rivers Mulla and Mutha which intersect the existing Pune Metro route at Sangam Bridge & Bund Garden Bridge on the Metro project being executed by Maha-Metro. With the onset of monsoon and the prevailing situation due to COVID-19 pandemic a major challenge was at hand to complete the work along the river front on the Metro corridor from Vanaz to Ramwadi. Apart from the depleting skilled persons & labour viability on site the clearance of earth and debris before monsoon posed a big challenge. With detailed planning and execution, the work was carried out methodically and diligently with available resources. Maha-Metro Pune was able to hand over the clear river front to the Irrigation department well in time.



# MAHA METRO UPDATES

## Hurdles Removed at Shivaji Nagar

Shivaji Nagar Metro station is one of the five Stations in the underground section of Pune Metro. This is surrounded with the MSRTC & PMPML bus stands as well as the railway station in close vicinity. This underground section is part of the corridor from PCMC to Swargate which passes through the most densely populated areas of the city.

The major task at hand were to be able to proceed with execution of the work for this Metro Station where too many hinderances were to be removed for smooth execution of the station work. After concerted efforts by Maha Metro, support of the local government bodies & citizens during lockdown period it was possible to remove all hurdles including a statue and religious structure from the area of Shivaji Nagar Metro Station. In addition, temporary shops about 15 in number, also posing a hinderance were removed too. Amongst the hindrances was a huge underground fuel tank of Indian Oil which was also removed.

Maha Metro - Pune has been able to remove all these challenging hindrances after protracted correspondence, liaison and favourable support by all agencies. This herculean task was undertaken in spite of the city being highly affected by the COVID-19 pandemic. Utmost care and precautions as necessary were taken by all to ensure safety of everyone directly and indirectly associated with removing of the hinderances. With this the work on the underground station has gained momentum to match up with the time-line.

## Segment Girder Launching

Maha Metro has taken up the difficult task of precast segment girder launching over the 1<sup>st</sup> Level of Bharat Ratna JRD Tata flyover. The work of segmental erection was carried out under running road traffic adhering to all necessary safety measures. Firstly, segment erection work was completed on lane going towards Pimple Saudagar and after the successful launching of this span, LG was moved for erection over the second leg going towards Nasik Road and also erected segment successfully with good synchronisation within the executive team. The erection of these two spans was completed within the shortest possible duration. During the launching of each segment (each 40MT) utmost precaution has been taken for safe erection, considering underneath flow of traffic.



## Under Ground Construction in Full Swing

A unique feature of Pune Metro Rail Project has been the underground section in the corridor from PCMC to Swargate. Two TBMs have been boring 24X7 since their operationalisation for the underground tunnelling work. Despite the lockdown due to the COVID-19 pandemic, the TBMs have been boring with due precautions of health and hygiene. The systematic approach of working innovatively with available resources has ensured tunnelling progress around 2030 mts. by both the TBMs namely Mutha and Mula. This has been done without compromising the security and safety of men and material.



# MAHA METRO UPDATES



## NOVEL CORONAVIRUS (COVID-19)

Protect yourself and others!

Follow these Do's and Don'ts

### Do's ✓



Practice frequent hand washing. Wash hands with soap and water or use alcohol based hand rub. Wash hands even if they are visibly clean



Cover your nose and mouth with handkerchief/tissue while sneezing and coughing



Throw used tissues into closed bins immediately after use



See a doctor if you feel unwell (fever, difficult breathing and cough). While visiting doctor wear a mask/cloth to cover your mouth and nose



If you have these signs/symptoms please call State helpline number or Ministry of Health & Family Welfare's 24X7 helpline at 011-23978046



Avoid participating in large gatherings



Have a close contact with anyone, if you're experiencing cough and fever



Touch your eyes, nose and mouth



### Don'ts ✗

Spit in public

Together we can fight Coronavirus

For further information :

Call at Ministry of Health, Govt. of India's 24X7 control room number

+91-11-2397 8046

Email at [ncov2019@gmail.com](mailto:ncov2019@gmail.com)

## Social Media Engagement

Citizens Love Maha Metro!

Social media engagement of Pune & Nagpur Metro far exceeds its other counterparts in the country. Pure testimony of 'Maazi Metro'



### NAGPUR METRO

Average acquisition of FB followers per month **9,522**



5,59,748



10,400



4,27,000



11,710



### PUNE METRO

Average acquisition of FB followers per month **12,122**



5,47,647



10,900



10,60,000



20,100