

SILVERLININGS

APRIL - JUNE, 2021 | VOLUME 19

SHINRAI **PRIME**

• RELIABLE • TRUSTWORTHY • CAPABLE



THE ALL NEW SHINRAI PRIME BACKHOE LOADER

TATA HITACHI CONSTRUCTION MACHINERY COMPANY PRIVATE LIMITED



MESSAGE FROM THE MANAGING DIRECTOR

Dear Colleagues,

Today I write to you as a friend and colleague: one who understands that you may be worried and scared. About your safety and the safety of your loved ones.

My heart is heavy as we have lost colleagues. We have lost family members of our colleagues too. I am with you in your pain and I extend my condolences and sympathies to you and to the families of those we have lost. Rest assured that you are not alone in your grief.

I believe we will come out of this pandemic stronger. I have always believed that. But to be able to do that, we must strictly follow the COVID guidelines put out by the Government. We must wear masks, maintain social distancing and avoid crowds. Most importantly, we must ensure that each one of us, along with our families, take the vaccine.

Let us fight this pandemic together. Please stay calm and in case of any help / assistance, reach

out to your functional head, HR or Admin team. Let's ensure that while we take care of ourselves and our families, we strike a balance between work and family life as well – and I am confident that we can all do that if we are disciplined and focused.

Most importantly, please stay safe. And keep your family safe. This should be of prime importance for us all to tackle the situation on hand.

Once again, please feel free to contact your seniors and me in case you need any assistance.

I believe that together we will fight and win.

Take care and warm regards,

Sandeep Singh
Managing Director

ACCOLADES WON

» We were honored to receive the **Superbrand award for the second time in a row**. A moment of pride for the organization and all of us.



» The QA team participated in **CII ER Quality Awards 2021-22 (Category A: Large scale industries)** and **secured the 2nd position**. The presentation topic was “Quality Journey towards Industry 4.0 – Next gen integrated EQMS” and was represented by Mr. Manpreet Marwah, Mr. Sandeep Mishra, Ms Radhika and Mr. Sachin Kalligudda.

» **The Gold medal for Excellence in Safety Health & environment (SHE) Award** - to acknowledge the vision and exemplary commitment for Environmental Responsibility, concern for occupational Health and Safety of employees and society as a whole - was received by the Kharagpur plant The award was given by the State Productivity Council – West Bengal.



» **The Gold Award** was won by the Dharwad team in the **39th National Kaizen competition in the Renovative Category**. This is the third consecutive time the award was won by the team. The team comprised Mukesh Choudhary (leader), M Shivakirana, Manjunath Bhat, Vignesh, Prateeksha and Mahantesh.





HIGHLIGHTS OF THE QUARTER

The line off ceremony for SHINRAI PRIME, Tata Hitachi's BSIV machine - was held at the Dharwad plant in the presence of top management and customers. 9 machines were handed over to customers.





Given the COVID restrictions, the launch, live streamed on Facebook and YouTube, was seen by 700+ viewers during the live event. The social media post for this launch on Facebook reached 11 lakh people on social media and 87,000 viewers saw the video.



SHINRAI **PRIME** WEEK



We also rolled out the Shinrai Prime Week display and customer interaction activity in dealerships across 11 locations (Kaveen Infra Solutions, Progressive Motors, Total Earthmovers, Tricare Services, Shri Shri Babaji Earthmovers, Shankar Equipments, Trishul Tread, SS Excavation Solutions).





BRANCH NEWS



The Aurangabad branch handed over EX 215LCQ at Nashik.



Shinrai Prime week was celebrated at Total Earthmovers, Aurangabad and Nashik.



COMBATTING COVID

April 2021 saw the second wave of COVID 19 hitting us with brute force - once again, we saw ourselves tackling a pandemic – fighting an invisible enemy which we thought had gone away. Not only had the enemy returned – but it had done so with renewed force and vigor. Undaunted, we followed the COVID guidelines laid out by the Government – work from home became the new normal and business, though slow went about as usual, even during the lockdown. Our Frontline Heroes in the field once again rose to the occasion and kept the customer in focus.

 <p>TATA HITACHI</p> <p>Our unstoppable field service engineers servicing Tata Hitachi EX1200 working at Rajasthan State Mines and Minerals Limited site.</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineer Mr. Mohanan at Mananthavadi, Waynad, servicing Tata Hitachi Shiroi during the lockdown.</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineer Mr. Nidhin K S at Anchal, Kottarakkara, servicing Tata Hitachi ZAXIS 20U during the lockdown.</p> <p>TATA HITACHI FRONTLINE HEROES</p>
 <p>TATA HITACHI</p> <p>Our unstoppable field service engineers at Katar, Pimpri working on ZAXIS 470H machines.</p> <p>TO KEEP THE MINES OPEN & RUNNING TO KEEP INDIA GOING</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineer Mr. Rajeev K at Cherumuttan, Kozhikode, servicing Tata Hitachi EX 200LC during the lockdown.</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineer Mr. Anoop Murali at Koothattukulam, Ernakulam, servicing Tata Hitachi ZAXIS 80GI during the lockdown.</p> <p>TATA HITACHI FRONTLINE HEROES</p>
 <p>TATA HITACHI</p> <p>Our unstoppable field service engineers working at Salyhad, Jharkheda working on ZAXIS 470H machines.</p> <p>TO KEEP THE MINES OPEN & RUNNING TO KEEP INDIA GOING</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineers at Tata Steel, West Bokaro working on EX 2500-6 machines.</p> <p>TO KEEP THE MINES OPEN & RUNNING TO KEEP INDIA GOING</p> <p>TATA HITACHI FRONTLINE HEROES</p>	 <p>TATA HITACHI</p> <p>Our unstoppable field service engineers at Katar, Pimpri working on ZAXIS 470H machines.</p> <p>TO KEEP THE MINES OPEN & RUNNING TO KEEP INDIA GOING</p> <p>TATA HITACHI FRONTLINE HEROES</p>

Our social media handles carried posts on machine maintenance during COVID and communication on how to combat the virus.

CHALO DESH BANAYE **TATA HITACHI**

**WE NEED TO GIVE OURSELVES A LITTLE MORE TIME
A LITTLE MORE TIME TO STAY INDOORS, STAY SAFE.**

DO'S

- Sanitize hands regularly
- Wear mask when necessary
- Use elbow while sneezing/coughing
- Stay at home
- Maintain social distance

DON'TS

- Travel long distance
- Gather
- Spit
- Travel unnecessarily
- Public transport

#StayHomeSaveLives #FightCovid19 #Lockdown
At Tata Hitachi, we care

CHALO DESH BANAYE **TATA HITACHI**

How to wear your mask properly

- Tie the top string first while wearing it
- Ensure mouth and nose are fully covered
- Ensure you do not have any difficulty in breathing while mask is on
- Do not touch the front of your mask with hands
- Untie bottom string first while taking it off

#TataHitachi #Covid2ndWave #FightCovid19

CHALO DESH BANAYE **TATA HITACHI**

**OUR COUNTRY'S FUTURE IS IN OUR HANDS
PLEASE WEAR A MASK. PLEASE STAY 6 FEET APART**

90% RISK OF TRANSMISSION (without mask)
30% RISK OF TRANSMISSION (with mask)
5% RISK OF TRANSMISSION (with mask)
1.5% RISK OF TRANSMISSION (with mask)
0% RISK OF TRANSMISSION (6 feet distance)

#TataHitachi #Covid2ndWave #FightCovid19

CHALO DESH BANAYE **TATA HITACHI**

WHAT TO DO IF SOMEONE IS SICK IN YOUR HOUSEHOLD

- 1 Isolate the sick person**
Prepare a separate room or isolated space, and keep distance from others.
Keep the room well ventilated and open windows frequently.
- 2 Take care of the sick person**
Monitor the sick person's symptoms regularly.
Pay special attention if the person is at high risk for serious illness.
Ensure the sick person rests and stays hydrated.
- 3 Reduce contact with the virus**
Identify one household member to be the contact person who is not at high risk and has the fewest contacts with people outside.
Wear a medical mask if in the same room as the sick person.
Use separate dishes, cups, eating utensils and bedding from the sick person.
Clean and disinfect frequently touched surfaces.

DANGER SIGNS
Call your healthcare provider immediately if you see any of these danger signs:
- Difficulty breathing - Loss of speech or mobility - Confusion - Chest pain

#TataHitachi #Covid2ndWave #FightCovid19

CHALO DESH BANAYE **TATA HITACHI**

HATS OFF TO YOUR SELFLESS SERVICE!!!

A heartfelt thanks to all the frontline warriors who are working tirelessly to keep the nation safe. We, as responsible citizens promise to halt the spread, and ensure that your commitment and resolve do not go in vain. Please stay safe in your efforts to make our lives safer. We salute your untiring efforts.

CHALO DESH BANAYE **TATA HITACHI**

MASK IS A MUST!
Please remember, vaccination is not an excuse to skip masks.

CHALO DESH BANAYE **TATA HITACHI**

THREE GOLDEN RULES

- 1 Always wear a mask**
- 2 Wash hands thoroughly and frequently with soap and water**
- 3 Maintain 2 meter distance from others**

CHALO DESH BANAYE **TATA HITACHI**

**Prevention is better than cure.
Don't forget to take the Vaccine.**

#Covidvaccination #staysafe #TataHitachi

Vaccination available for everyone aged 18 years and above from 1st May 2021

Our offices and plants stepped up their attempts to reach out a helping hand to the lesser fortunate affected by the virus.



CUSTOMER MEET

PSN Hubli organized a small customer felicitation and thanksgiving meet at Hospet.



DEALER NEWS

A billboard promoting Shinrai was on display at Rajnandgaon and Rajim, Chattisgarh, courtesy Suryakiran Earthmovers.



ZAXIS 140H was inaugurated by The Kurnool Mayor



Two units of EX 200LCSuper+ handed over at Hyderabad

ZAXIS140H was inaugurated by The Kurnool Mayor under the aegis of Recon Technologies. EX 200 LC Super+ key handover was held at Hyderabad to two customers. An additional four units of EX 200LC Super+ machines were handed over at Hyderabad too. A COVID vaccination drive was held at Recon Technologies for company employees along with their spouses. Nearly 250 people got vaccinated. EX 215LCQ Super+ along with B215 Rock Breaker was handed over at Hyderabad. EX 215LCQ Super+ was handed over at Suryapet. ZAXIS 370 LCH key handover took place at Hyderabad. EX 210 LC Super+ was handed over at Hyderabad. EX 70 Super+ was handed over at Suryapet.



Two units of EX 200LC Super+ handed over at Hyderabad



EX 200LC Super+ handover at Hyderabad



EX 200LC Super+ key handover at Hyderabad



COVID vaccination drive at Recon Technologies



EX 215LCQ Super+ machine with B215 rock breaker handed over at Hyderabad



EX 215LCQ Super+ handed over at Suryapet



ZAXIS 370LCH Key handover at Hyderabad



EX 210LC Super+ handed over at Hyderabad



EX 70 Super+ handover at Suryapet



NE Equipment Solutions Pvt. Ltd. conducted a display of Shinrai at Silchar.



Shinrai Prime key handover was done by TASS Tech, Udaipur.



DEMOS

A Track link Pin Pusher Tool has been developed for our range of machines. A demo for this was done at OTC Dharwad. This tool has been developed by a Belgaum based vendor. The features of this tool are:

- Quick removal/Installation of track pins & Master Pins
- Portable, hand operated hydraulic Jack.
- Reduction in labour hour
- Cost Effective
- Safe to use



FINANCIER MEETS

A virtual meet with Sundaram Finance and a presentation on Shinrai was held in partnership with Kailash Infratech.



MACHINE HANDOVER

The Ahmedabad branch handed over EX 200 Super+, EX 215 Super+ Quarry variant, EX 210 Super+, Shinrai, and four EX 200 Super+ machines handed over for the NHAI road project at Sikkim. Two Hitachi ZW310-5A Loaders were handed over at Barbil (Orissa). Six EX 1200 machines were handed over to Western Coalfield Limited by the Nagpur Mining Team. Shinrai Prime keys were handed over at Hyderabad. PSN Cochin handed over ZAXIS 220 at Calicut, Ernakulam, Kollam and Palakkad, two units of ZAXIS 23U at Kasargod, two units of ZAXIS 33U were handed over at Kollam, Thiruvalla, two at Trivandrum, Shinrai was handed over at Waynad, Ernakulam Kasargod and Kottayam and ZAXIS 220 at Trivandrum, ZAXIS 33U at Thrissur and Palakkad, EX 70 Super+ at Pathanamthitta,

ZAXIS 140H at Ernakulam, ZAXIS 23U at Thrissur and ZAXIS 33U and EX 215LCQ at Ernakulam. PSN Hubli handed over ZAXIS 140H at Chitradurga, two Shinrai backhoe loaders at Haveri, one at Gadag, two Shinrai's at Bellary and one at Dharwad. ZAXIS 33U at Malappuram and Chennagiri, EX 210 Super+ at Hospet and two EX 130 Super+ EX 210 Super+ at Davangere and TL 340H at Hubli. ACE Mangalore handed over Shinrai to Town Panchayat, Thirthalli. PSN Bangalore handed over ZAXIS 33U at Bangalore, Shinrai and ZAXIS 33U at Bangalore Rural. M/s Mountain Movers, Gulbarga handed over Shinrai at Bidar, Five ZAXIS 470GI hydraulic excavators were handed over to be deployed at NTPC Ltd, Langatu Coal Block at Hazaribag –Jharkhand.



EX 200 handover by the Ahmedabad branch



EX 215 Super Plus Quarry handover by the Ahmedabad branch



EX 210 handover by the Ahmedabad branch



Shinrai handover by the Ahmedabad branch



Four EX 200 Super Plus machines handed over for the NHAI road project at Sikkim



EX1200 key handover by the Mining team



Hitachi ZW310-5A Loaders handover



Shinrai Prime key handover at Hyderabad



ZAXIS 220 handover at Palakkad



ZAXIS 220 handover at Ernakulam



ZAXIS 220 handover at Calicut



ZAXIS 220 handover at Kollam



ZAXIS 220 handover at Trivandrum



ZAXIS 23U handover at Kasargod



ZAXIS 23U handover at Thrissur



ZAXIS 33U handover at Bangalore



ZAXIS 33U handover at Bangalore Rural



ZAXIS 33U handover at Ernakulam



ZAXIS 33U handover at Kollam



ZAXIS 33U handover at Palakkad



ZAXIS 33U handover at Chennagiri



ZAXIS 33U handover at Malappuram



ZAXIS 33U handover at Thrissur



ZAXIS 33U handover at Trivandrum



ZAXIS 33U handover at Trivandrum



ZAXIS 33U handover at Thiruvalla



ZAXIS 23U handover at Kasargod



ZAXIS 140H handover at Ernakulam



EX 70 Super+ handover at Pathanamthitta



EX 130 Super+ handover by PSN Hubli



EX 210 Super+ handover at Hospet



ZAXIS 470GI handover at Jharkhand



EX 215 LCQ handover at Ernakulam



EX 210 Super+ handover at Davangere

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Shinrai handover at Bangalore Rural



Shinrai handover at Bangalore



Shinrai handover at Bellary



Shinrai handover at Dharwad



Shinrai handover at Bidar



Shinrai handover at Bellary



Shinrai handover at Ernakulam



Shinrai handover at Gadag



Shinrai handover at Haveri



Shinrai handover at Kasargod



TL 340H handover at Hubli



Shinrai handover at Kottayam



Shinrai handover at Waynad



Shinrai handover to Town Panchayat Thirthalli

OPERATOR TRAINING

A training program on basic care and maintenance of Hydraulic Excavators was held at Gondia. Suryakiran Earthmovers organized an operator training session at Chattisgarh.



OTHER ACTIVITIES

COVID VACCINATION CAMPS: Keeping the safety of employees in mind, COVID vaccination camps were held at the Corporate Office and at the two plants in Kharagpur and Dharwad. At Kharagpur, the camp was organized at Operator's Training Centre. The first of its kind vaccination drive inside the factory premises, received an overwhelming response from the employees. Altogether, 1600 permanent and contractual

employees of age group greater than 18 years were vaccinated on a single day. In collaboration with local administration and Garag Primary Health Centre, COVID-19 Vaccination camp was organized for employees at the Dharwad auditorium too. Permanent as well as contractual employees of the Plant, the Technical Training Centre, the Warehouse, and the Sales Hubli were invited for the same.

CORPORATE OFFICE



DHARWAD PLANT



Felicitating the doctor and the medical team



The vaccination drive at the Dharwad plant



KHARAGPUR PLANT



The inauguration of the vaccination center



The registration desk



The selfie point



The vaccination center



The vaccination drive



Dear Reader,

Hope you are safe & got Vaccinated !!

Thank you for your encouragement & support extended in our previous versions of the YOKOTEN newsletter. We are pleased to publish the 6th edition of the YOKOTEN NEWSLETTER. Through this newsletter, we have been sensitizing about 4Ms (Man, Machine, Material & Method) and also focusing on knowledge sharing related to improvement in all the domains of 4M. In this edition, we will discuss one of the most important 4M "MAN". We will also talk about a New Inspection Methodology being implemented at HCM and a Kaizen emphasizing the importance of "MAN", helping in the reduction of line rejections.

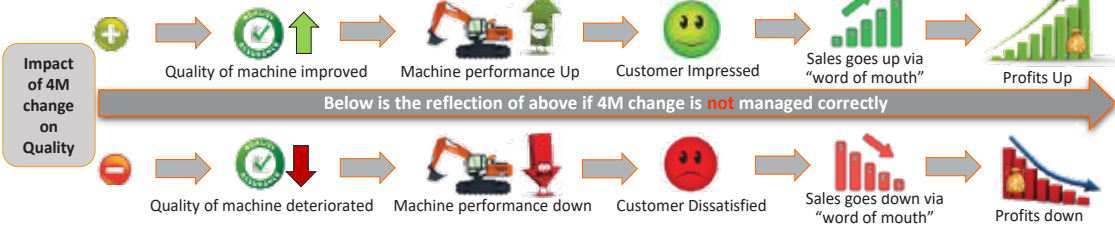
DID YOU KNOW ?

In list of **worlds largest Excavators**, Hitachi has the title of manufacturing the 2nd largest excavator in the world.

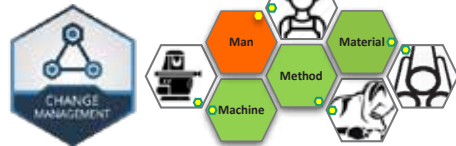
The Caterpillar's 6090FS weighing approx. 1000 tons, presently holds the title of world largest mining excavator.

Where as EX8000-6 launched by HCM in 2012, is currently the **Second largest excavator** in the world weighing approx. 837 tons.

IMPORTANCE OF 4M CHANGE MANAGEMENT:



4M CHANGE MANAGEMENT



Before changing the established 4M condition (MAN) THINK

- Is the Skill of operator adequate with respect to the work or Job?
- Is the operator have knowledge & understanding about the process?
- Has the Operator consistently displayed the mindset of process adherence in the past?
- Can the operator understand the drawing & customer requirements ?

Benkyou (To Learn) Gallery:

Measurement of Structures(Mainframe, Track frame, etc.) using 3D scanner & Camera :

In the earlier process, the structure measurement was carried out with conventional tools like callipers , height gauges , scales etc, this inspection process was very tedious and time taking. There were also chances of miss judgment due to many inspection points.

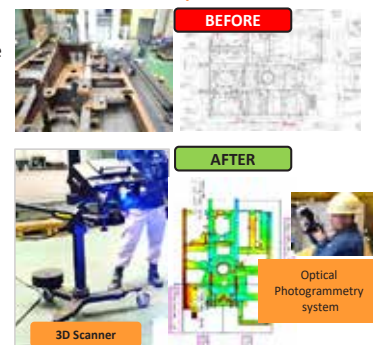
New Methodology (Being implemented at HCM):

By usage of the 3D scanner & Optical Photogrammetry system, large and ultra-large fabrication Structures, casting & forging components can be measured with less time compared to convectional method. To further improve the efficiency and avoid variation in judgment .The macros enabled auto judgement evaluation sheet is created, through which NG & OK points are tabulated automatically.

Benefits:

- Improved inspection efficiency of complex and large structures.
- Prevention of human error and variation by automatic measurement and judgment.

Pictorial Representation



① KAIZEN

Let us see an example of a Kaizen focussed on "MAN" which led to improvement in rejection PPM and avoided line stoppages .

② Kaizen Theme:

Improvement in link manufacturing process by implementation of Poka-yoke system to avoid human errors during tacking .

③ Problem Details: The link plate reinforcement bar and stoppers welded in opposite direction which caused profile mismatch.



BENEFITS:

Tangible Benefit : Reduction in part rejections
Intangible Benefit : Improvement in Customer satisfaction (internal).

HORIZONTAL DEPLOYMENT: Fixture of similar parts verified and considered for Poka-Yoke.

Note : We are keen to know the interest of our readers and look forward to your feedback & comments. Please write in to : manpreet.marwah@tatahitachi.co.in

④ Why - Why analysis

1W: Fitter has fitted link plate in reverse direction of the link.

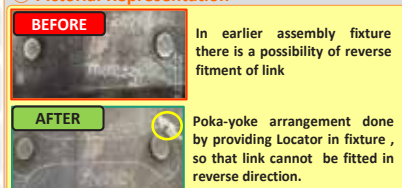
2W: Fitter followed fixture to fit link plate (No Poka-Yoke provision in fixture).

3W: Fitter was not aware of the link plate position on the link (drawing requirement).

4W: Fitter from other area deployed as Regular fitter was on leave.

5W: Supervisor did not explain criticality of link plate reverse position to Fitter before deployment on job.

⑤ Pictorial Representation



⑥ Countermeasure:

Change of fixture design to avoid error during assembly & Supervisor sensitized to communicate critical points in case there is any change in manpower.

With the objective of promoting the culture of sharing of knowledge and improvements across the manufacturing system including our key vendors, we released the 6th edition of the 'Yokoten' Newsletter – focusing on the importance of 4M management with brief description of a newer technology and a Kaizen based on one of the domains of 4M factors- Man, Machine, Material & Method. In this 6th edition, the focus was on 'MAN'.

Rollout of the Shinrai Prime week activities: Shinrai Prime week was rolled out at Jharsuguda, Nagpur, Ahmedabad and Aurangabad.



PLANT NEWS

DHARWAD

In collaboration with local administration and Garag Primary Health Centre, a COVID-19 Vaccination Camp was organized for our employees.



The Hubli Sales team was also invited for the same. The vaccination drive was carried out with 100% adherence to COVID-19 precautionary norms. A total of 380 employees got vaccinated on the first day of the camp.

KHARAGPUR

During MD san's visit the proposal for the paperless initiative was discussed.



The Paperless office proposal meeting with MD san



The proposal being explained to MD san at the KGP office

EKIDEN 2021 was held at the plant premises. 46 teams including 1 all women team registered for the event. The winners were:

WINNING TEAMS			
Mens - 1st	Mens - 2nd	Mens - 3rd	Women's Team
Leader Satish Kumar Singh	Leader Bimal Kumar Gouda	Leader Danduram Soren	Leader Urvashi Sandal
Katou Shinji	Rahul Kumar	Keisuke Hara	Soma Rani Mandi
Todokoro Yuuchi	Shahjahan Ansari	Shinya Fukuda	Shruti Kumari
Hayashi Yuuma	Nitesh Sinha	Debabrata Chakraborty	Sharmistha Nayak
Soumyaranjan Panda	Deo Shankar	Deepak Singh	Radhika Sharma
Sanjay Thandu	Somen Iodh	Tarit Salui	Yashwini Sharma



The Kharagpur plant observed World Environment day through tree plantation in a restrained manner due to the ongoing pandemic. A land parcel inside the scrap yard was reimagined, recreated and restored as a tribute to this year's theme of Ecosystem Restoration. Led by the senior management team the plantation program was a great success. Around 1000 saplings are added every year inside the plant in its journey towards net zero.



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