

ಸಿ.ಎಂ.ಡಿ.ಯವರಿಂದ ಸಂದೇಶ



ಪ್ರೀತಿಯ ಸಹೋದ್ಯೋಗಿಗಳೇ

ಕೋವಿಡ್-19ರ ಕಾರಣದಿಂದಾಗಿ ಅನಿವಾರ್ಯವಾಗಿ ಮುಚ್ಚಲಾಗಿದ್ದ ನಮ್ಮ ಸಂಸ್ಥೆ ತೆರವುಗೊಂಡು ನಾವೆಲ್ಲರೂ ಪುನಃ ನಮ್ಮ ಕಾರ್ಯ ಕ್ಷೇತ್ರಕ್ಕೆ ಹಿಂದಿರುಗಿದ್ದೇವೆ. ತಾವು ಹಾಗೂ ತಮ್ಮ ಕುಟುಂಬ ದವರೆಲ್ಲರೂ ಸುರಕ್ಷಿತವಾಗಿ ಹಾಗೂ ಆರೋಗ್ಯಕರ ವಾಗಿದ್ದೀರೆಂದು ನಾನು ನಂಬಿರುತ್ತೇನೆ.

ಈ ಕೋವಿಡ್-19 ರ ಪಿಡುಗು ನಮ್ಮ ನಿರೀಕ್ಷೆಗೂ ಮೀರಿ ತನ್ನ ಅಟ್ಟಹಾಸವನ್ನು ಪ್ರದರ್ಶಿಸುತ್ತಿರುವುದರಿಂದ ನಮ್ಮ ದಿನನಿತ್ಯದ ಜೀವನವು ಸಾಕಷ್ಟು

ಬದಲಾವಣೆಗೊಂಡಿದೆ ಎಲ್ಲ ಉದ್ಯಮಗಳ ವ್ಯವಹಾರವು ನಮ್ಮ ಊಹೆಗೂ ಮೀರಿ ಯಾವುದೇ ಮುನ್ಸೂಚನೆ ಇಲ್ಲದೆ ಬದಲಾಗುತ್ತಲೇ ಇದೆ. ಆದರೂ, ತಾವೆಲ್ಲರೂ ತಮ್ಮ ತಮ್ಮ ಅತ್ಯಂತ ಶ್ರೇಷ್ಠವಾದ ಕಾರ್ಯ ದಕ್ಷತೆಯನ್ನು ಪ್ರದರ್ಶಿಸಿ ಉತ್ತಮ ಅಭ್ಯುತರೊಂದಿಗೆ ತಮ್ಮ ಎಲ್ಲ ಶಕ್ತಿಕೇಂದ್ರಗಳನ್ನೂ ಬಳಸಿಕೊಂಡು ದಡಿದು ಬಿ.ಇ.ಎಮ್.ಎಲ್. ಸಂಸ್ಥೆಯನ್ನು ನಮ್ಮ ನಿರೀಕ್ಷೆಗೂ ಮೀರಿ ಮುನ್ನಡೆಸೋಣ ಎಂದು ತಮ್ಮಲ್ಲಿ ಮನವಿಡುವುದುತೇನೆ. ಇಂದಿನ ಬಿಕ್ಕಟ್ಟಿನ ಪರಿಸ್ಥಿತಿಯಿಂದ ತ್ವರಿತವಾಗಿ ನಾವೆಲ್ಲರೂ ಪಾರಾಗಿ ಉತ್ತಮ ಭರವಸೆಯ ದಿನಗಳನ್ನು ನಿರೀಕ್ಷಿಸೋಣ.

ನಮ್ಮಲ್ಲಿ ಈಗಾಗಲೇ 9/50 ಕೋಟಿ ರೂ ಗಳಿಗೂ ಅಧಿಕವಾಗಿ ಬೇಡಿಕೆ ಇದ್ದು ಪ್ರಸ್ತುತ 2020-21 ಸಾಲಿನಲ್ಲಿ 4000 ಕೋಟಿ ರೂ ಮಾರಾಟವನ್ನು ಗುರಿಮಾಡಿದ್ದೇವೆ. ಆದರೆ, ನಮ್ಮ ಎಲ್ಲ ಕಾರ್ಖಾನೆಗಳನ್ನು ಕೋವಿಡ್-19 ರ ಕಾರಣದಿಂದಾಗಿ ಮುಚ್ಚಿದ್ದ ಕಾರಣ ನಮ್ಮ ಉತ್ಪಾದನೆಗೆ ಚ್ಯುತಿಯಾಗಿದ್ದು ಮೊದಲ ತ್ರೈಮಾಸಿಕ ಸಾಧನೆಯಲ್ಲಿ ನಮ್ಮ ನಿರೀಕ್ಷೆಗೂ ಮೀರಿ ದುಷ್ಟರಿಣಾಮವು ಉಂಟಾಗಿರುತ್ತದೆ. ಆದರೂ, ಸಂಸ್ಥೆಗೆ ಆಗಿರುವ ಈ ಕೊರತೆಯನ್ನು ತುಂಬಲು ಹಲವಾರು ಯೋಜನೆಗಳೊಂದಿಗೆ ಪ್ರಯತ್ನಿಸುತ್ತಿದ್ದೇವೆ. ಸಂಸ್ಥೆಯ ಆರ್ಥಿಕ ಪರಿಸ್ಥಿತಿಯಲ್ಲಿ ಉಂಟಾಗಿರುವ ನಷ್ಟವನ್ನೂ ಸಹ ವಿವಿಧ ಪ್ರಯತ್ನಗಳಿಂದ ಪುನಃಜೀತನಗೊಳಿಸಲು ಪ್ರಯತ್ನಿಸಿ ಪರಿಸ್ಥಿತಿಯನ್ನು ಉತ್ತಮಗೊಳಿಸುತ್ತಿದ್ದೇವೆ.

ಹೀಗಿದ್ದರೂ, ಪ್ರತಿಯೊಬ್ಬ ಅಧಿಕಾರಿ ಹಾಗೂ ಕಾರ್ಮಿಕರು ಮತ್ತು ಎಲ್ಲ ಕಾರ್ಮಿಕ ಸಂಘ ಹಾಗೂ ನಮ್ಮ ಇತರ ಸಂಘಗಳ ಬೆಂಬಲದಿಂದ ನಾವು ಖಂಡಿತವಾಗಿ ನಮ್ಮ ಕಾರ್ಯದಲ್ಲಿ ಇನ್ನೂ ಹೆಚ್ಚಿನ ದಕ್ಷತೆಯಿಂದ ದುಡಿದು ನಮ್ಮ ವಹಿವಾಟಿನ ಗುರಿಯನ್ನು ಮುಟ್ಟುವುದರಲ್ಲಿ ನನಗೆ ಸಲುವೂ ಸಂದೇಹವಿಲ್ಲ.

ನಮ್ಮ ಮಾನ್ಯ ಪ್ರಧಾನ ಮಂತ್ರಿಗಳ ಕರೆಯಂತೆ "ಆತ್ಮ ನಿರ್ಭರ ಭಾರತ" ಅಭಿಯಾನದ ಅಳವಡಿಕೆಯೊಂದಿಗೆ ಮತ್ತು ಪ್ರಸುತ ಪಿಡುಗಿನಿಂದಾದ ದುಷ್ಪರಿಣಾಮವನ್ನು ತಗ್ಗಿಸುವ ಉದ್ದೇಶದಿಂದ, ನಾವು ಮತ್ತೂ ಹೆಚ್ಚಿನ ಸ್ವಾವಲಂಬನೆಯೊಂದಿಗೆ ದುಡಿಯಬೇಕಾಗಿದೆ. ಇದೇ ಕಾರಣದಿಂದಾಗಿ, "ಮೇಕ್-ಇನ್-ಇಂಡಿಯಾ" ಅಡಿಯಲ್ಲಿ ನಾವು ನಮ್ಮ ಮೂರೂ ಕಾರ್ಯ ಕ್ಷೇತ್ರಗಳ ಉತ್ಪಾದನೆಯಲ್ಲಿ ಪಾಲಾಗರಿಕೆಗಾಗಿ ಆಹ್ವಾನವನ್ನು ನೀಡಿದ್ದೇವೆ ಹಾಗೂ ಇದರಿಂದಾಗಿ ನಮಗೆ ಉತ್ತಮವಾದ ಪ್ರತಿಕ್ರಿಯೆಯೂ ಸಹ ಲಭಿಸಿರುತ್ತದೆ. ಹಾಗಾಗಿ, ನಮ್ಮ ಉದ್ದಿಮೆಯ ವ್ಯವಹಾರವನ್ನು ಫಲದಾಯಕ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ವಿಕಾಸಗೊಳಿಸಲು ಭರವಸೆಹೊಂದಿದ್ದೇವೆ

ಮುಖ್ಯೋ ಕ್ಷೇತ್ರದಲ್ಲಿ ನಮ್ಮ ಪ್ರಾದೇಶಿಕ ಮುಖಂಡತ್ವದ ಅಡಿಯಲ್ಲಿ ಮುಖ್ಯೋ ದಾಸ್ತಾನುಗಳನ್ನು ಕೇಂದ್ರ ಸರ್ಕಾರದ ಬೆಂಬಲದೊಂದಿಗೆ ರಕ್ಷಣಾ-ರಕ್ಷಿಣ ಅಡಿಯಲ್ಲಿ ನಮ್ಮ ನೆರೆಯ ಸ್ನೇಹಪರ ರಾಷ್ಟ್ರಗಳ ಮಾರುಕಟ್ಟೆಗೆ ಗಣಿ ಮತ್ತು ನಿರ್ಮಾಣ ಉಪಕರಣಗಳೊಂದಿಗೆ ರಫ್ತು ಮಾಡಲು ಗಮನಿಸುತ್ತಿದ್ದೇವೆ. ಇದರಿಂದಾಗಿ ನಮ್ಮ ವಿತರಕರ ಕಾರ್ಯ ವೈಖರಿಯವನ್ನು ವಿಸ್ತಾರಗೊಳಿಸುವುದರೊಂದಿಗೆ ಮತ್ತು ವಿದೇಶಗಳಲ್ಲಿ ನಮ್ಮ ಕೇಂದ್ರಗಳನ್ನು ಸ್ಥಾಪಿಸಿ, ಜಂಟಿ ಉದ್ಯಮದೊಂದಿಗೆ, ಎಗ್ರಿಮ್ ಬ್ಯಾಂಕಿನ ಅವಕಾಶಗಳನ್ನು ಉಪಯೋಗಿಸಿಕೊಂಡು ಭಾರತೀಯ ಸಾಲದ ಅಡಿಯಲ್ಲಿ ಮತ್ತು ಛೇಂಬರ್ ಆಫ್ ಕಾಮರ್ಸ್ ಹಾಗೂ ರಾಯಭಾರ ಕಚೇರಿಗಳು ಮತ್ತು ರಕ್ಷಣಾ ಸೇರಿಕೆಗಳೊಂದಿಗಿನ ಸಹಯೋಗದೊಂದಿಗೆ ಎಲ್ಲ ರೀತಿಯ ಯೋಜನೆಗಳನ್ನೂ ಕೈಗೊಳ್ಳಲಾಗಿದೆ.

ನಮ್ಮ ಸಾಮರ್ಥ್ಯ, ಉದ್ದೇಶಗಳನ್ನು ಹಾಗೂ ಮೌಲ್ಯವನ್ನು ಕದಲಿಸುತ್ತಿರುವ ಇಂತಹ ಸಮಯದಲ್ಲಿ ನಾವು ನಮ್ಮ ನಿಜ ಸ್ಥಿತಿಯಲ್ಲಿ ಕುಗ್ಗದೆ ನಿಲ್ಲುವುದೇ ಪ್ರಾಮುಖ್ಯವಾಗಿದೆ. ಈ ಪರಿಸ್ಥಿತಿಯಲ್ಲಿ ಗ್ರಾಹಕರು ನಮ್ಮ ಮೇಲೆ ಇಟ್ಟಿರುವ ನಂಬಿಕೆ ಮತ್ತು ನಮ್ಮ

ಪ್ರತಿಪಕ್ಷಿಗಳಿಗಿಂತ ನಮಗೆ ಹೆಚ್ಚಿನ ಆದೃತೆಯನ್ನು ನೀಡುತ್ತಿರುವುದು ಗಮನಾರ್ಹವಾಗಿದೆ. ನಾವು, ಸಂಸ್ಥೆಯು ಸಂಪೂರ್ಣವಾಗಿ ಮುಚ್ಚಿದ್ದಾಗಲೂ ನಮ್ಮ ಗ್ರಾಹಕರಿಗೆ ಸಂಪೂರ್ಣ ಸೇವೆಯನ್ನು ಸಹಕಾರವನ್ನು ನೀಡಿ ಪ್ರೋತ್ಸಾಹಿಸಿದ ವಿಷಯವನ್ನು ಮತ್ತು ಅವರಿಂದಾಗಿ ನಮಗೆ ಲಭಿಸಿದ ಉತ್ತಮ ಪ್ರಸಂಶೆಯನ್ನು ನಾನು ನಿಮ್ಮೊಂದಿಗೆ ಅತ್ಯಂತ ಹೆಮ್ಮೆಯಿಂದ ಹಂಚಿಕೊಳ್ಳುತ್ತೇನೆ.

ವಿಷಾದದ ಸಂಗತಿಯೆಂದರೆ, ನಮ್ಮ ಕೆಲವು ಸಹೋದ್ಯೋಗಿಗಳು COVID -19 ಗೆ ಬಲಿಯಾದರೆಂದು ತಿಳಿದು, ಅಗಲಿದ ಆತ್ಮಗಳಿಗಾಗಿ ಶಾಂತಿಯನ್ನು ಕೋರುತ್ತೇವೆ ಮತ್ತು ದುಃಖಿತಪ್ಪ ಕುಟುಂಬ ವರ್ಗದವರಿಗೂ ನನ್ನ ಹೃತ್ತೂವ್ಯಕ್ತ ಸಂತಾಪವನ್ನು ತಿಳಿಸುತ್ತೇನೆ. ಅನಾರೋಗ್ಯದಿಂದ ಚೇತರಿಕೊಳ್ಳುತ್ತಿರುವವರಿಗೂ ಸುರಕ್ಷಿತರಾಗಿ ಆರೋಗ್ಯವಂತರಾಗಿ ಮರಳಿಬರಲಿ ಎಂದು ನಾನು ಹಾರೈಸುತ್ತೇನೆ.

ತಾವೆಲ್ಲರೂ, ಕೋವಿಡ್-19 ಪಿಡುಗನ್ನು ತಡೆಗಟ್ಟುವ ನಿಯಮಗಳನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಿ ನಿಮ್ಮ ಹಾಗೂ ನಿಮ್ಮ ನಂಜಿನ ಕುಟುಂಬದವರ ಸುರಕ್ಷತೆಯನ್ನು ಕಾಪಾಡಿಕೊಳ್ಳಿ ಎಂದು ನಾನು ತಮ್ಮಲ್ಲಿ ಮನವಿ ಮಾಡುತ್ತೇನೆ. ಸುರಕ್ಷತೆಯ ಎಲ್ಲ ನಿಯಮಗಳನ್ನೂ ಪಾಲಿಸುತ್ತಾ ನಾವೆಲ್ಲರೂ ಒಟ್ಟಾಗಿ ಇಂತಹ ಸ್ಥಿತಿಯಿಂದ ಖಂಡಿತವಾಗಿ ಪಾರಾಗುತ್ತೇವೆಂದು ನಾನು ನಂಬುತ್ತೇನೆ.

ತಾವೆಲ್ಲರೂ ಸುರಕ್ಷಿತರಾಗಿ ಆರೋಗ್ಯವನ್ನು ಕಾಪಾಡಿಕೊಳ್ಳಿರಿ.

ಜೈ ಹಿಂದ್ !

ಇಂತಿ,

ಡಾ. ದೀಪಕ್ ಕುಮಾರ್ ಹೊರತ

ಅಧ್ಯಕ್ಷರು ಮತ್ತು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು

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सीएमडी का संदेश



प्रिय साथियों

हम कोविड-19 संकट के कारण एक अभूतपूर्व तालाबंदी के बाद कार्य करने के लिए वापस आ गए हैं और आशा करता हूँ कि आप और आपके परिवार सुरक्षित और स्वस्थ हैं।

कोविड-19 संकट ने जटिलता और अनिश्चितता दोनों में असाधारण स्तर की चुनौतियों को उत्पन्न किया जिसने हमारे दैनिक जीवन के हर पहलू को प्रभावित किया है। व्यावसायिक परिवेश बदल गया है और प्रकृति में बदल रहा है कि कोई भी इसका पूर्वाभास नहीं कर सकता है। यहाँ यह है कि मैं आप सभी को अपना सर्वश्रेष्ठ योगदान देने के लिए, सही संकल्प और प्राथमिकताओं के साथ और बीईएमएल की ताकत के कई स्रोतों पर ध्यान देने के लिए प्रोत्साहित करता हूँ ताकि हम इस संकट से बाहर आ सकें और यहां तक कि कल और अधिक उम्मीद के लिए मंच निर्मित कर सकें।

हमारे पास ₹ 9750 करोड़ से अधिक मूल्यवाले ऑर्डर हैं और स्वयं ₹ 4,000 करोड़ से अधिक का बिक्री लक्ष्य निर्धारित किया है। वित्त वर्ष 2020-21 के लिए। हालाँकि, कोविड-19 महामारी की फैलाव और उसके बाद हमारे संयंत्रों के बंद होने के फलस्वरूप, उत्पादन में प्रभाव हुआ था और प्रथम तिमाही तक का निष्पादन हमारी योजना की तुलना में बहुत ही कम था। हम इस कमी को पूरा करने की पूरी कोशिश कर रहे हैं और इसके लिए एक कार्य योजना बनाई गई है। हम विभिन्न लागत अनुकूलन रणनीतियों और मितव्ययिता के उपायों के माध्यम से लागत का अनुकूलन करने का प्रयत्न कर रहे हैं ताकि निचली स्थिति पर हुए प्रभाव को कम किया जा सके।

मुझे पूरा विश्वास है कि, कर्मचारी यूनियनों और अन्य संघों के समर्थक सक्रिय सहयोग के साथ सभी कार्यपालकों एवं कर्मचारियों के समर्पण और सहयोग के साथ, हम आने वाले महीनों में खोए हुए समय के लिए और निर्धारित लक्ष्य को प्राप्त कर सकते हैं।

चालू कोविड-19 संकट को कम करने में मदद के लिए हमारे माननीय प्रधान मंत्री द्वारा आत्मनिर्भर भारत अभियान की ओर किए गए आह्वान के अनुरूप, हमें आत्मनिर्भरता की दिशा में अपने प्रयासों में तेजी लाने की आवश्यकता है। इसकी ओर, हमने हाल ही में अपने

सभी तीनों कार्यक्षेत्रों के लिए 'मेक इन इंडिया' के तहत विनिर्माण और साझेदारी के लिए एक अभिरूचि की अभिव्यक्ति (ईओआई) जारी की है और प्रतिक्रिया काफी उत्साहजनक रही है। हम अपने व्यापार के विस्तार करने/विविधता लाने के लिए इसे कुछ फलदायक उद्यमों के साथ आगे ले जाने की उम्मीद करते हैं।

मेट्रो अनुप्रयोगों हेतु रोलिंग स्टॉक के लिए घरेलू बाजार में हमारे नेतृत्व की स्थिति के साथ, अब हम पड़ोसी देशों के बाजार में रोलिंग स्टॉक के निर्यात पर भी ध्यान केंद्रित कर रहे हैं और रक्षा निर्यात पर भारत सरकार के समर्थन और सहयोग के साथ, हम खनन और निर्माण उपकरण के साथ-साथ मित्र देशों के लिए रक्षा लाइनों के तहत निर्यात को अनुकूल बनाने के लिए लक्षित कर रहे हैं। क्रेडिट की भारतीय लाइनों तथा वाणिज्य मंडल, दूतावासों तथा रक्षा सहचारियों के माध्यम से अवसरों की खोज के माध्यम से – वितरक नेटवर्क को चौड़ा करने, विदेश में कार्यालय स्थापित करने, संयुक्त उद्यम, एक्सिम बैंक के अवसरों के लिए रणनीतियाँ तैयार की गई हैं।

यह बड़े व्यवधान का समय है कि उद्देश्य की भावना के साथ बने रहने की हमारी क्षमता, कंपनी के मूल्य और हमारी पहचान के प्रति सही बने रहने की क्षमता अत्यंत महत्वपूर्ण है। हम मानते हैं कि हमारे ग्राहकों का विश्वास हमारे प्रतिद्वंद्वियों से अलग हमें स्थापित करने वाला सबसे महत्वपूर्ण कारक है। मुझे आपके साथ इसे साझा करने में खुशी हो रही है कि हमने लॉकडाउन अवधि के दौरान भी हमारे ग्राहकों को पूर्ण समर्थन दिया है, जिसकी तुरंत सराहना की गई है।

हमें यह जानकर खेद हुआ है कि हमारे कुछ सहयोगियों ने कोविड-19 के कारण अपना दम तोड़ दिया है। हम उन दिवंगत आत्माओं की शांति के लिए प्रार्थना करते हैं और शोक संतप्त परिवारों के प्रति अपनी हार्दिक संवेदना व्यक्त करता हूँ। मैं उन लोगों को भी शुभकामनाएं देता हूँ जो बीमारी से स्वस्थ हो रहे हैं।

मैं एक बार फिर आप सभी से अपील करता हूँ कि आप निवारक उपायों को सख्ती से अपनाएं और स्वयं का तथा अपने प्रियजनों का ख्याल रखें। मुझे पता है कि हम एक साथ मिलकर इसे पार करने जा रहे हैं।

सुरक्षित रहें, स्वस्थ रहें।

जय हिन्द !

डॉ. दीपक कुमार होता

अध्यक्ष और प्रबंध निदेशक



CMD's Message



Dear Colleagues

We are back to work after an unprecedented lockdown due to COVID-19 crisis and hope that all of you and your families are safe and healthy.

The COVID-19 crisis presented an extraordinary level of challenges both in

complexity and uncertainty that has impacted every aspect of our daily lives. The business environment has changed and is changing in nature that one cannot foresee. It is here that I exhort all of you to give your best, with the right resolve and priorities and drawing on BEML's many sources of strength, so we can come out of this crisis and even set the stage for a much more hopeful tomorrow.

We have over ₹ 9750 crs. orders on hand and set ourselves a sales target of over ₹ 4,000 crs. for FY 2020-21. However, due to spread of Covid-19 pandemic and subsequent closure of our plants, production was impacted and performance upto 1st QTR was far below vis-à-vis our plan. We are making our best efforts to make up this shortfall and an action plan has been put in place. We are also trying to optimize cost through various cost optimization strategies and austerity measures so as to minimize the impact on the bottom line.

I am confident that, with the dedication and co-operation of all executives and employees along with the pro-active support from the employee unions and other associations we can make up for the lost time in the coming months and achieve the set target.

In line with the clarion call of our Hon'ble Prime Minister for Atmanirbhar Bharat Abhiyaan to help mitigate ongoing Covid -19 crisis, we need to accelerate our efforts towards self-reliance. Towards this, we have recently issued an EOI for manufacturing and

partnerships under 'Make In India' for all our three verticals and the response has been quite enthusiastic. We hope to take it forward with few fruitful ventures, to expand / diversify our business.

With our leadership position in the domestic market for rolling stock for Metro applications, we are now focusing on export of rolling stock to the neighbouring countries and with the support and focus of GoI on Defence exports, we are targeting exports under defence lines to friendly countries in addition to Mining & Construction equipment. Strategies have been drawn for widening distributor network, setting up offices abroad, Joint Ventures, EXIM bank opportunities – through Indian Lines of Credit and exploring opportunities through Chambers of Commerce, Embassies and Defence Attaché.

It is in times of great disruption that our ability to stay grounded with a sense of purpose, the values of the company and remain true to our identity is of utmost importance. We believe that the trust of our customers is the most vital factor setting us apart, from our competitors. I am glad to share with you that we have extended full support to our customers even during the lockdown period which is promptly appreciated.

We are sorry to learn that few of our colleagues have succumbed to COVID -19. We pray for the peace of the departed souls and convey my heartfelt condolence to the bereaved families. I also wish a speedy recovery to those who are recuperating from the illness.

I once again appeal to all of you to strictly adopt the preventive measures and take care of yourselves and your loved ones. I know that we're going to get through this, together.

Stay safe, Stay healthy.

Jai Hind !

Dr. Deepak Kumar Hota
Chairman & Managing Director



BEML @ DEFEXPO 2020

BEML had a mega presence in the DEFEXPO Show 2020, the biennial defence exhibition held in Lucknow, U.P., from 5th Feb to 9th Feb. 2020. BEML showcased some of its new products at the indoor and outdoor pavilions.

India's Chief of the Army Staff Gen. M. M. Naravane PVSM, AVSM, SM, VSM, inaugurated the BEML Stall in the presence of Dr. Deepak Kumar Hota, CMD, Directors, CVO, and other senior officials of the Company.

Dr. Hota briefed Gen. Naravane on BEML's ongoing projects related to Defence products.

Host of VVIPs visited BEML's stall including Shri Rajnath Singh, Hon'ble Defence Minister,



Chief of Defence Staff in discussion with CMD at BEML Stall

Shri Shripad Y. Naik, Hon'ble Minister of State for Defence, Gen. Bipin Rawat, UYSM, AVSM, YSM, SM, VSM, ADC, Chief of Defence Staff, India, Shri. Mohammed Ahmed Al Bowardi, Minister of State for Defence Affairs of the UAE, Shri Jagdish Shettar, Hon'ble Minister of Heavy Industries, GoK, apart from high level defence teams from Czech Republic, Bangladesh, Thailand and other countries.

The main focus at DEFEXPO 2020 was to display BEML's capability, promote defence products, interact with probable customers to understand their requirements for supplying of specific products and to explore collaborations with foreign companies.



Chief of Army Staff inaugurating BEML Pavilion

Moreover, it was also an opportunity to network with MSME and start-ups for maximizing localization.

In line with the theme of 'Digital Transformation', BEML unveiled an AI based Mobile Healthcare Diagnostic System to address the medical needs of the Armed forces and an 'Armoured Crew protected vehicle' like Medium Bullet Proof Vehicle (MBPV).

Further, BEML also exhibited its Mobile Standby Command Post Vehicle (MSCPV), Bulldozer with Hydrostatic Transmission drive technology (BD50HST) and 20T class heavy transportation Trailer in its outdoor stall.



Hon'ble Minister of Heavy Industries, GoK at BEML stall



HST Dozer



BEML introduced a new in-house designed & developed state-of-the-art Heli-portable Hydrostatic Drive Crawler Dozer with Advanced Power Angle Tilt feature. It has advanced Electric Monitoring System for accurate and smooth operation and adjustable operator's seat for excellent comfort.

This Dozer can be used mainly for clearing debris, making roads, apart from an exclusive use for the Army in tough terrains. It can withstand extreme temperature variations from high temperature to minus temperatures.

Mobile Standby Command Post Vehicle (MSCPV)

BEML also launched this Armoured Troop Carrier which is a Bullet Proof Mobile command & control vehicle, on high mobility 4x2 chassis and carries up to 24 troops.

Integrated with all security systems connected through wireless technology and is capable of functioning as a parallel and independent command & control centre. It is fitted with a high-end camera that can rotate 360 degree.

It is highly useful for urban and rural police operations, including crowd control and riot prevention. It can act as a surveillance vehicle for borders & remote areas. It has a light weight steel composite hull on a robust 4x4 chassis fitted with 360 HP engine, maximum speed of 110 kmph, 60% grade ability with 25 degree side slope and high ground clearance enables it to travel through fields, over ditches and obstacles, as well as hilly and rocky

terrains. It easily traverses mud, snow, gravel and sand while it speeds over dirt and paved roads. It is also equipped with a DG set with UPS as emergency backup for electronic subsystems.





NEW PRODUCTS @ DEFEXPO 2020

Medium Bullet Proof Vehicle 'Gaur'

Medium Bullet Proof Vehicle, MK II an advanced version of Medium Bullet Proof Vehicle (MBPV) and christened as 'Gaur' was showcased at the DEFEXPO 2020 at Lucknow.



Launching the vehicle Dr. Deepak Kumar Hota, CMD, BEML said, "BEML MBPV-MARK-II, 'Gaur' was designed and developed indigenously with added safety features, that also showcases our commitment towards realising the mission of 'Make In India'".

The vehicle is equipped with night vision camera, blast resistant seats, GPS navigation, radio and intercom system. The vehicle shields security personnel from arm fire, hand grenade and can carry upto 12 persons.

BEML 'Gaur' a 4x4 wheel RH drive, heavy duty all-weather off-road mobility vehicle and specially designed for easy manoeuvrability, operability and maintainability.

AI Powered Medical Health Diagnostic Systems

BEML's 'AI' Powered Medical Health Diagnostic System (MHDS) was displayed at DEFEXPO 2020. This will meet the medical diagnostic needs of troops in forward posts, especially in high altitude areas.

The station housed in a 20 feet container on a high mobility platform (BEML TATRA 8x8/6x6) with artificial intelligence (AI) powered diagnostic system for troops in field, who are away from expert medical advice and attention.

MHDS also consists of Artificial Intelligence based Chest X-Ray Diagnosis, Artificial Intelligence based diagnosis of Eye Analysis and Diabetic Retinopathy, Computer based diagnosis (CAD), Digital Radiology, Cardiograph, Pathology Laboratory, etc.

It provides for computer aided diagnosis using AI and can also obtain expert consultation from higher echelon hospitals or from a cloud based tele consultation system. It can be remotely connected to a medical data base too. The unit is provided with a dust free clinical

environment, air conditioning and generator back up.

"This is the first of its kind in India and BEML is proud to be associated with Indian Army during the disasters. It shows BEML's capability in making indigenous products under 'Make in India' initiative", said a delighted Dr. D. K. Hota, CMD, BEML.



Contd.. to Page 8



MoUs

During DEFEXPO 2020, BEML entered into MoUs with several companies under 'BANDHAN' a joint initiative of the Ministry of Defence and Govt. of UP.

Research & Development Establishment Engineers (R&DE Engrs.), DRDO and BEML Ltd. committed to a long-term partnership through a 'License Agreement

capability and create a footprint in UP as well. We are optimistic of the future that augurs well for the defence industries."

With Pearson Engineering Ltd, UK : For manufacturing, supply, integration, provide training, Spares & Services for 'Track Width Mine Plough' for T-90 Tanks. The commitment is to localise to the maximum extent.



Dr. Deepak Kumar Hota, CMD, BEML receiving the Licence Agreement for ToT from Dr. G Satheesh Reddy Chairman, DRDO in the presence of Shri Rajnath Singh, Hon'ble Minister of Defence, Shri Shripad Y. Naik, Hon'ble Minister of State for Defence, Shri Yogi Adityanath, Hon'ble Chief Minister of U.P and Shri Ajay Kumar IAS, Secretary, Defence, GoI.

'Transfer of Technology' for indigenous development of new 'Technology of Mine Field Marking Equipment MK-II (MFME MK-II)'. This product will be used by the Indian Army for marking the entire perimeter of the mine area in remote locations and fence it through a semi-automatic system on a high mobility multi terrain platform.

Accepting the Licence of Agreement for Transfer of Technology from DRDO Dr. DK Hota, CMD said, "With the signing of the MoUs, BEML is upbeat and would like to establish itself further towards building the nation's

This de-mining equipment is time tested for different soil conditions in Indian desert and customized to Indian operations.

With Bharat Forge Ltd, Pune : For collaborative programmes viz. Development of Mounted Gun System on a 4x4 High Mobility Vehicle, critical armoured machined forgings for Recovery vehicles, Power train components for 1500 HP Engine and explore potential export markets for APCs.

With Prognosys Medical Systems Pvt Ltd, Bangalore : For jointly explore emerging opportunities in AI based Medical Health &



CMD, BEML seen with Distinguished Guests and Industrial Body during the MoU signing

Diagnostic Systems on High Mobility Platform for military applications. This product gives operational advantage to Indian Army in deploying at remote locations for faster diagnosis of wounded soldiers by a paramedical or Junior Doctors. The prescription / recommendation of treatment from Specialists is through AI based technology.

With Texmaco Rail & Engineering Private Limited, Kolkata : To jointly address development of systems / subsystems, manufacture, maintenance of existing systems of Russian OEMs in India for T series Tanks

and also special Rail Wagons for Indian Railways.

With Punj Corporation Pvt Ltd, New Delhi : To jointly explore development of Russian components for T-72/T-90 tanks for upgradation and overhauling programs under the policy initiatives of the Government of India.

With Si2 Microsystems Pvt Ltd, Bangalore: To jointly explore business opportunities for technology requirements in Defence forces in electronic systems, sub-systems, electronic fencing and surveillance systems.

Contd.. from Page 6

20 T Trailers

NEW PRODUCTS @ DEFEXPO 2020



BEML has developed Trailer, which is a 'Medium Capacity Low Deck Full Trailer', suitable for on-road & off-road applications and used for transporting construction equipment, weighing up to a max of 20T capacity, for the Indian Army.

The Trailers are provided with ABS system, has hinged type foldable mechanical ramps and loose ramps for loading/unloading operations.



BEML Metro Cars Starts Operation on East West Line, Kolkata



Hon'ble Railway Minister being greeted by CMD, BEML during metro ride.

The first 5.7 Km section of Kolkata's second metro line was formally inaugurated by Shri Piyush Goyal, Hon'ble Minister of Railways & Commerce on 13th Feb. 2020 in the presence of Shri Babul Supriyo, Union Minister of State for Environment, Forest & Climate Change at Kolkata. BEML has supplied a batch of 14 six car train sets each of which has a capacity of maximum 2068 passengers. Manufactured at BEML's Bangalore Complex, the high-end train sets has a body shell made of

stainless-steel. The light weight highly energy-efficient trains are monitored and selectively controlled by a micro-processor- based Train Control and Management System (TCMS).

High level rail team from BEML, led by Dr. Deepak Kumar Hota, CMD was present at the inauguration function, along with other senior officials.

While taking a ride in the metro car the Hon'ble Minister lauded BEML for introducing a world class metro car to the 'City of joy'

Speaking on this occasion, Dr. Hota said, "BEML is responsible for most of the technological support and the nitty-gritty, like training the drivers in Communication Based Train Control System (CBTC)."



A.K.Srivastav Director. Defence Business. BEML



APPOINTMENT

Shri A.K. Srivastav assumed charge as Director, (Defence Business) and Member of the Board of BEML on 1st June 2020.

Shri Srivastav graduated from IIT Kharagpur in Mechanical Engineering in 1987. He joined BEML as an Engineer Trainee and in his professional career spanning over three decades in BEML, has worked in various critical functions in the company.

He played a significant role in phased indigenization of key products and import substitution and also created a vendor ecosystem incorporating MSMEs.

As the Head of Defence marketing in the last three years, he has successfully taken forward the ongoing Defence projects and generated new business, by closely interacting with the users and other stake holders.

His wife Shalini is a homemaker and his daughter Keshvi is studying in Secondary School.



Major Order from Coal India



BEML bagged a major order from Coal India Limited for supply of 7 nos. 150-E and 8 nos. 205E Tons Electric Dump Trucks under trial-cum sale, along with 8 years spare parts contract. These Dumpers will be deployed at Coal India Subsidiaries viz., SECL Gevra Project, M/s. NCL Amlohri and Nigahi Projects respectively. The total value is Rs. 398 cr.

Indigenously designed and developed by BEML, these Dump Trucks are being manufactured at its Mysore complex. These products will address the growing demand for higher capacity equipment in the Mining Industry and will enhance the production substantially.

These trucks have ecofriendly emission certificate engines with electronic fuel management system to deliver maximum power. Its wide body design, higher value metric capacity and low body weight ensures high stability and productivity. State-of-the art AC drive system have been engineered to provide exceptional road performance with reduced maintenance.

CIL Commissions BEML Dump Trucks

CIL has commissioned four new 60 tonne capacity Dumpers in Umred, Open Cast Project of Western Coalfields Ltd., to increase its hauling capacity and productivity.

BEML Dumpers are well-known for its

efficiency and it may be recalled that about 30 nos., of BEML BH60 Dumpers are already working at Umred, Open Cast Mines and contributed in enhancing the production capacity. Availability of these equipment in an year is about 86% and capacity utilization is around 88%.



BEML team with WCL Officials



1st Shell of the Proto Train Set for MRS-1 Project Rolls Out



CMD, BEML seen with MMRDA & DMRC Officials

BEML celebrated the completion of the 1st body shell for the rolling stock of Mumbai Metro (MMRDA). The function held at Bangalore on 20th Feb, 2020 was attended by Dr. Deepak Kumar Hota, CMD, BEML, Dr. Sonia Sethi, IAS, Additional Metropolitan Commissioner, MMRDA, Mumbai, Shri SS Joshi, Director RS, DMRC, other officials from the Delhi Metro Rail

Corporation (DMRC) and Mumbai Metropolitan Region Development Authority (MMRDA).

BEML began manufacturing these coaches and will supply a total of 504 lightweight, fully-furnished, modern metro coaches for MRS 1, MMRDA.



1st Shell of the Proto Train set for MRS - 1 Project

Suburban Train (MEMU) for Indian Railways

BEML has dispatched prototype of Mainline Electric Multiple unit (MEMU) to Indian Railways. The Main line electrical multiple unit (MEMU) with 3 phase onboard Propulsion system, is an existing Indian Railways approved carbody design that has been adopted, re-engineered and developed by BEML on a contract from Indian Railways.



MEMU Train

The 3 phase Propulsion system is state-of-the-art system consisting of IGBT based microprocessor controlled 3 phase drive with VVVF (Variable Voltage Variable Frequency) control. The train has regenerative braking system for energy saving, and saves around 30% of energy, thus reducing the carbon footprint. Energy saving LED lights are also used for illumination in the Coaches.

The train is equipped with GPS based Public Address (PA) and Passenger Information system (PIS) with Cab to Cab communication. Fire retardant furnishing materials are provided in the Coaches for passenger safety. The train has provision for interfacing with Auxiliary Warning System (AWS) and Train Protection Warning System (TPWS). The prototype train consisting of 12 cars (3 Driving motor Coaches and 9 Trailer coaches) have been successfully inspected at factory by RDSO and cleared for Oscillation trials. BEML will be supplying 300 nos. of MEMU coaches to Indian Railways.



BEML Flags Off Final Train Set for Kolkata Metro

BEML flagged off the last train set for Kolkata Metro (East - West) project from its Metro Coach factory at Bangalore Complex on 17th June 2020. Dr. Deepak Kumar Hota, Chairman & Managing Director, BEML has flagged-off the metro train set in the presence of Company Directors and other senior officials of BEML.



Flagging off the final Metro Train set for KMRCL

BEML built KMRCL Train Sets are operating satisfactorily since Feb. 2020. Further, 6 train sets are ready for deployment in revenue operation.

Some of the key features of the train sets include:

- Stainless Steel car body furnished with world class interiors and customized air-conditioning suiting local requirements.
- Bogie for 750V DC Third Rail application is designed & developed by BEML for the first time.
- GBT based microprocessor controlled 3 phase asynchronous drive with VVVF (Variable Voltage Variable Frequency) control and regenerative braking for energy saving.
- Train sets operate with ATP / ATO and is interfaced with CBTC signalling system (which is one of the best and latest technologies in the world) to reduce headway, ensure train stopping accuracy and passenger safety.
- Passenger capacity of 2068 persons per train set.

On the occasion Dr. Deepak Kumar Hota, CMD, BEML said, "We are on track, as we despatched the last of the 14 train sets for Kolkata Metro (East - West) project for KMRCL. We have proved our capabilities and expertise in supply of Metro coaches, which is an epitome of successful 'Make in India' initiative in the rolling stock industry."

Public Procurement for 'Make in India'

Department for Promotion of Industry and Internal Trade (DPIIT) and FICCI jointly organised a programme on 'Public Procurement for Make in India' at New Delhi on 17th Feb. 2020. Addressing the gathering Shri Piyush Goyal, Hon'ble Minister of Railways and Commerce, who was the Chief Guest on this occasion said, "In order to promote the Make in India programme, the industry must adopt international quality standards and scale up production to remain globally competitive."

Dr. Deepak Kumar Hota, CMD BEML and also the Chairman of FICCI Public Procurement Committee, shared his perspective on public procurement for Make in India. "We need to adopt latest technologies like AI and Machine



CMD seen with Distinguished Guests at DPIIT and FICCI Programme

learning in manufacturing sectors in order to become value added producers" he said.

Shri Som Prakash, Hon'ble Minister of State for Commerce & Industry, GoI and Dr. Guru Prasad Mahapatra, Secretary, DPIIT, GoI, were also present and shared their views.



Ambedkar Jayanti

BEML celebrated the birthday of Baba Saheb Dr. B.R. Ambedkar, one of the greatest icons of modern India, a great social reformer and an architect of the Indian Constitution on 14th April.

At Mysore complex the SC/ST welfare employee's association along with management garlanded the statue of Dr. B.R. Ambedkar to mark the respect to the great leader.

Shri D Narayana, President SC/ST welfare association, Shri A S Thamilselvam, GM and others were present.



BEML Celebrates Dr. B.R. Ambedkar Jayanti at Mysore Complex

Constitution Day Celebrations



At KGF Complex

In order to create awareness, BEML is celebrating the 'Constitution Day' (Samvidhan Divas) for a period of one year with various monthly activities starting from 26th November 2019 to 26th November 2020.

Accordingly, the 'Tree Plantation at factory premises' has been organized at KGF Complex, distributed the saplings at Bangalore Complex and also organized a lecture on 'Importance of Constitution' at its Mysore Complex.

Large number of officers and employees came together to plant varieties of saplings in the

factory premises and vowed to nurture them and keep the campus clean & green.



At Mysore Complex



At Bangalore Complex



World Environment Day

BEML observed 'World Environment Day' at its units and all its complexes on 5th June 2020, for creating awareness and encouraging activities to protect the environment.



BEML CMD Planting Sapling at HQ

Dr. Deepak Kumar Hota, CMD, BEML, planted a sapling at head quarters in the presence of Director, Shri Suraj Prakash



At Mysore Complex



At KGF Complex

(Finance), Shri MV Rajasekhar (M&C) Shri R Panneer Selvam (HR), Shri AK Srivastav (Defence Business), Shri Vidya Bhushan Kumar, IFS, CVO and representatives of Employees Union and Officers Association.



At Bangalore Complex

Saplings were distributed to employees and officers at its units, to promote greenery and to raise awareness on conserving the planet.

This year theme is 'Biodiversity', with a focus on its role in providing the essential infrastructure that supports life on earth and human development.

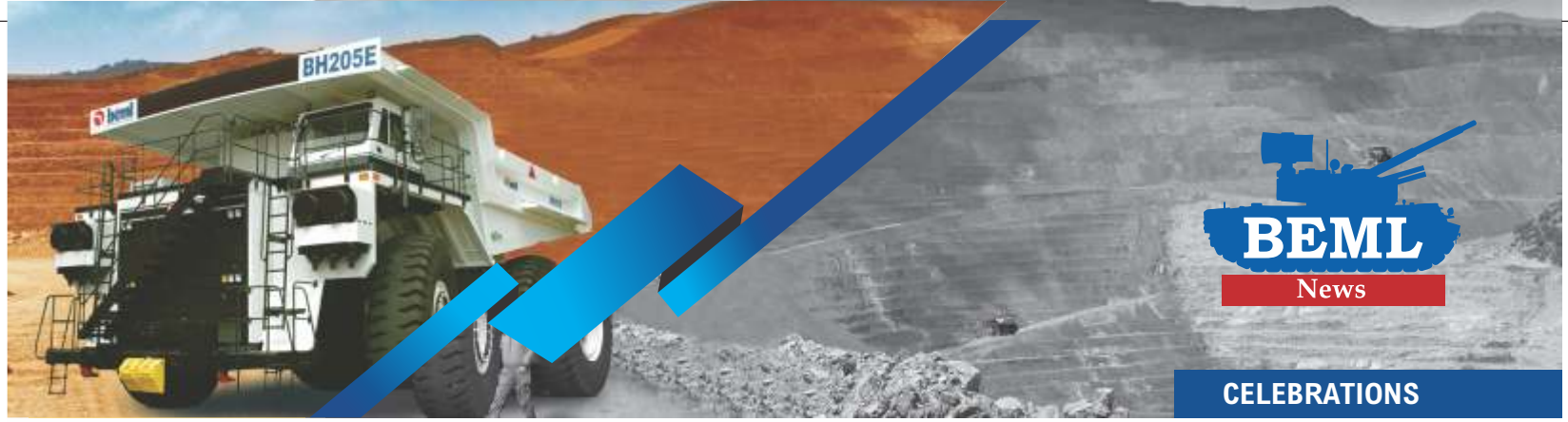
Fire Services Week 2020

BEML observed fire service week from 14-20th April 2020. This is in remembrance of lives lost in devastating fire that erupted and explosion that followed on 14th April 1944 at the Victoria Dock at Bombay Port and also to prevent fire accidents in industries.

The National Safety Council (NSC) has been promoting the FSW campaign with a view to propagate fire safety awareness amongst employees, their families and the public.



Safety Pledge at Mysore Complex



International Women's Day

International Women's Day (8th March) is aimed to help eliminate worldwide discrimination against women. It also focused on helping women to gain full and equal participation in global development.

Bangalore Complex

The day was celebrated at BEML by all women employees and executives with enthusiasm



At Bangalore Complex

across the company. Smt. Sreela Roy Hota, Chief Patron of BEML Ladies Club was the Chief Guest at Bangalore Complex and addressed the gathering on the gender equality and realising women's rights.

The day marked essay writing, slogan writing and painting competition for women personnel and their children. Prizes were distributed to the winners.

International Women's Day is a day when women are recognised for their achievements. It is an occasion for looking ahead to the untapped potential and opportunities that await future generations of women.

KGF Complex

At KGF Complex Shi B Shankar, ED, was the Chief Guest and graced the occasion. Dr. Rekha Sethi, Principal, Shri Bhagwan



At KGF Complex

Mahaveer Jain College, KGF who was the guest of honour, spoke on the achievements of prominent women personalities. Earlier Dr. Komala welcomed the gathering.

Palakkad Complex

At Palakkad Complex, the lamp was lit to mark the beginning of International Women's Day. Shri P. Sivakkumar Chief of the Complex was the Chief Guest, Smt. Mridula, Counsellor, Kudumbasree Dist. Mission, Palakkad, who spoke on the occasion, highlighted various opportunities available for the women towards development and growth.

Slogan writing and poster competition were organised for the women employees.



At Palakkad Complex



The family members were also invited and sweets were distributed. Entertainment programmes were also held on the occasions.

Mysore Complex

At Mysore complex, Dr. Dharani Devi



At Mysore Complex

Malagatti, IPS, Superintendent of Police & Principal, Police Training School, Mysuru was the Chief Guest. During her speech she stressed upon the importance of creating a world of gender equality and the role of every citizen in it.

Dr. Asna Urooj, Professor & Chairperson, Department of Food Science & Nutrition, was invited as a Guest Speaker and spoke on legal rights of women in India. Shri H.S. Ranganath, Chief of Complex graced the occasion.

Apart from the above, slogan competition in English, Hindi & Kannada and poster competition were conducted on the International Women's Day Theme. The winners of the competition were given prizes.



Womens Day at BEML, R.O. Hyderabad

Safety Day



Safety Week Celebration at KGF Complex

4⁹th National Safety day was celebrated on 4th March 2020 to sustain a voluntary movement on the industrial safety, health and environment.

On the occasion banners and poster were displayed to create awareness and National Safety Day badges were distributed to employees. Safety pledge were administered to all present. During this week long programme, various safety promotional activities viz., essay, slogan, poster competitions were organized and prizes were distributed to the winners.



Women Empowerment

B EML has always encouraged women to avail jobs in manufacturing operations creating a culture, where women can stand shoulder-to-shoulder with their male counterparts and contribute to the growth of the company. Here are some excerpts: (contd., from previous issue.).

Born and brought up in KGF, **Smt. Anna Mary**, is a qualified ITI Electrician and working in H&P Plant Maintenance Dept. KGF Complex, taking care of spares planning for electrical, mechanical and transportation departments.



Smt. Anna Mary, KGF Complex

“My determination and the conducive working environment at KGF Plant helped me greatly. It has been 5 years in this Company and I am fortunate enough to get an opportunity to grow personally and professionally”, she says.

An ITI machinist working in EM Divn., KGF Complex. **Smt. Vijayashanti's** job is layout marking of different types of flange, elbow,



Smt. Vijayashanti, KGF Complex

plates, blocks of BE 1000, BE1600, BD65, BD80, BE220 equipment.

“I am passionate about my quality of work and to give zero defect results. I have been able to maintain my work life balance with support of my family” she proudly said.

After receiving her Technical Certificate in ITI **Smt. Imbarasi**, joined BEML 6 years ago, working in Electrical Maintenance Dept. at RC Unit-II KGF. Happily married to Shri. Satish Kumar who is working in Palakkad Complex, the couple has a small kid to look after. “Support from family and the company helped me to balance my work and outside life, efficiently”, she said.



Smt. Imbarasi, RC Unit-II, KGF

Born and brought up in KGF., **Smt. R Sangeetha**, is working in CNC Machine Shop, KGF Complex. She wakes up at 5.30 AM, cooks for the family, takes care of her mentally challenged sister before going to work with a pleasant smile, is a part of her daily schedule. “I never compromise my work on account of personal issues and feel proud to be a BEMELIAN”, she said.



Smt. R. Sangeetha, KGF Complex

Smt. Menaka Devi joined BEML as a Trainee, 4 years ago and now working in Hydraulic Shop, H&P Divn., KGF Complex. She takes care of final finishing of Hydraulic Cylinders



Smt. Menaka Devi, KGF Complex

and Pumps. “It is my privilege to work with BEML, since my father also worked in BEML”, she said with a sense of pride.

Smt. Rudrambika is a technician in electrical wiring harness section where she



Smt. Rudrambika, Bangalore Complex

does metro under frame and roof wiring job at Bangalore Complex.

The company housing at township and fixed timings has helped me to discharge my household duties along with my job”, she said. She wanted to grow further in her career, hence presently pursuing SAP/AUTOCAD course.

Smt. Vijayalakshmi joined BEML 7 years back, with a Mechanical Diploma degree she



Smt. Vijayalakshmi, Bangalore Complex

is working in Metro Furnishing Dept., Bangalore Complex. She does furnishing work like drilling, cutting and grinding. “There is no space for any discrimination at BEML”, she said. She understood the essence of shop-floor and hardcore jobs that adds to her work fulfilment.

Smt. Sethu EB, born and brought up in Kerala, she is a B.Tech (Electrical &



Smt. Sethu EB, Bangalore Complex



Electronics) graduate, working in Metro Cable Harness Section and in-charge for quality inspection at Bangalore Complex. She is a member of core team in improving quality. It may be recalled that she was also a member of the team for winning Nonimara Competition during 2017 towards cable improvement in metro harness. "I am glad that my work place is more cohesive, healthy and harmonious", she feels.

Hailing from Tamil Nadu, **Smt. Pratipa K** is an Electrical & Electronics Engineering Graduate and also did her M.B.A. in H.R from Madurai Kamaraj University.



Smt. Pratipa K, Bangalore Complex

She is presently working as Sr. Manger in Metro Electrical quality Dept., at Bangalore Complex. She is responsible for complete Metro Electrical activities. "My work in BEML is challenging and demanding and I enjoy every bit of it", she said.

Smt. Vidya Prabhakaran joined BEML 7 years back, after her B.E., in Mechanical and



Smt. Vidya Prabhakaran, Bangalore Complex

is working as Asst. Manger in Metro Final Inspection at Bangalore Complex. She is in-charge of metro furnishing such as glass wool installation, air duct, flooring and metro saloon doors. Addressing the quality issues, has helped her in improving the quality of the sub-assemblies. "It has been an amazing journey in BEML, which provides equal opportunities and support" she gladly said.



Smt. Neeraja P, Bangalore Complex.

Smt. Neeraja P is a B E (Electrical & Electronics) Graduate and joined BEML 12 years ago and presently working as Asst. Manager in Quality Department, Bangalore Complex. She looks after testing & commissioning of Metro Cars for Bangalore, Delhi and Kolkata Metro Projects. Her job is to ensure zero defects, before going for trials – particularly on the electrical components. She takes part in extra-curricular activities like sports and drawing competitions. She also represented Karnataka State as NCC Cadet in Republic Day parade. She also won awards from Quality Circle Forum of India, Women's Quality Champion award, Bangalore Chapter. "I have no issues in managing my two small kids and enjoying work at BEML" she happily said.

Born in BEML, KGF Township, **Smt. Rekha B**, an ITI Technician, is working with BEML for the past 12 years. Her job is to check the main supply welding set machines and to change to rectify the defects at Maintenance

Contd.. to Page 20



Donation for PM Relief Fund

BEML employees and executives contributed a day's salary to PM relief fund towards Corona pandemic. Moreover, CMD and Directors of the company contributed additional 21 days salary towards the same purpose.

“The Nation is passing through a critical phase of social and economic crisis due to the outbreak of Coronavirus (COVID-19). In this crisis situation, a collective effort is required to combat the challenge of the spread of CORONA. This is our humble contribution to the support to fight the global pandemic which has wreaked havoc all over the world”, said Dr. Deepak Kumar Hota, CMD BEML.



Contd.. from Page 19

EMPOWERMENT



Smt Rekha B, Bangalore Complex

Dept., Bangalore Complex. “My company has provided opportunities to grow and I feel great to work in BEML”, she said.

Hailing from Mysore District, **Smt. H.J. Chaya** is an ITI Electrician currently working in Coach Electricals Department, Bangalore

Complex. Her job is connecting internal wires and related electrical works.

“Support from family and company has helped me to balance my official work and outside life efficiently”, she said.



Smt. HJ Chaya Bangalore Complex



This is your magazine and to make it more exciting, we welcome contributions in the form of articles, suggestions, interesting anecdotes, photographs (with captions) and feedback from all BEMLIans. Selection will be at the discretion of the Editor and will be acknowledged. Write to : bemlnews@beml.co.in.



Public Procurement (Guidelines & Risk Management)

Objective of Public Procurement

To acquire goods and services in a manner that enhances Access to opportunity and Competition with Fairness, Equity & Transparency and results in Best Value or, if appropriate, the optimal balance of overall benefits to the state and its people.

The Objectives of Procurement in Short is:

Delivering the RIGHT Product/Work/Service (Quality & Quantity)

To the RIGHT PLACE

At the RIGHT TIME

At the RIGHT PRICE

} Value for money

By RIGHT EXECUTING AGENCY (Capability, Capacity, Reliability) Contract is the basis for procurement and Needs time, knowledge and Planning

Fundamental Principles of Procurement

- Transparency • Fairness • Competition
- Economy • Efficiency • Accountability

Fundamental Principles of Procurement:

- Be objective, functional, generic and measurable and specify technical, qualitative and performance characteristics.
- Not indicate a requirement for a particular trade mark, trade name or brand.
- Specifications & quantity to be clearly spelt out for specific needs, Meet the basic needs without superfluous and non-essential features, for minimum expenditure.
- Technical specifications shall be based on national standards and in their absence, on the relevant international standards
- Avoid purchasing excess quantities than required to avoid inventory carrying costs

Trends in Public Procurement:

- Making e-Tendering mandatory
- Introduction of GeM
- Inclusion of provisions in the tender documents regarding critical aspects of specifications

- Efforts to take decision on the date of opening of price bid

Trends in Procurement Procedure - Efficiency

- By making optimum use of available resources
- By discarding unproductive activities from the processes/ procedures;
- By reducing the procurement lead-time
- By reducing the delivery and transaction costs
- By encouraging sustainable procurement

What is a Contract?

Communications of respective obligations - to all concerned

- Buyer's obligation • Seller's obligation • Product description • Quality & Quantity • Terms & conditions • Payments • Remedies

Basis for Procurement

- Contract is the basis for procurement - Enables supply/ work/service
- Tender is a tool for entering into contract - Enables Agency selection

Procurement Basics

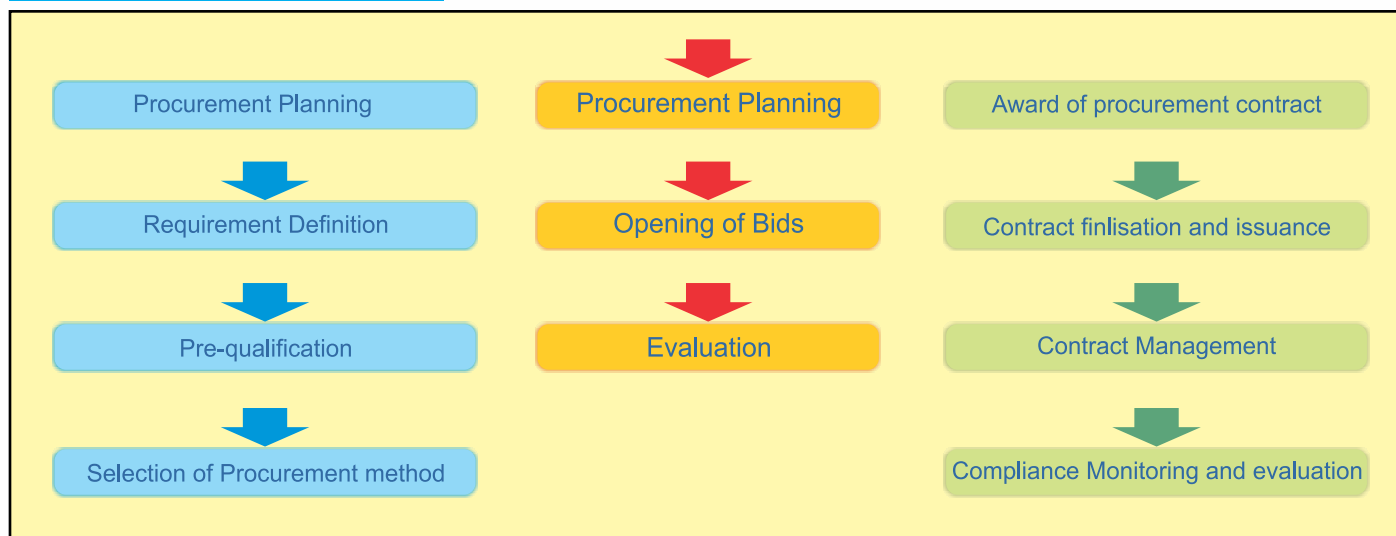
- Authorization - must as per Powers/ Delegation
- System - verifiable, recorded
- Checks & counter checks: Accounts, Audit, Vigilance, CBI, Courts, RTI, CCI, Parliament
- Scope for arbitrariness, laid down acceptable terms and conditions in governmental contract provisions
- Equal consideration with given criterion
- Sometimes efficiency and objectivity suffers
- Thrust: to reach out as many suppliers as practicable
- Responsiveness w.r.t. bid documents is must

Tender

Dealing with many and selecting one to result into a compliant & successful contract



PUBLIC PROCUREMENT PROCESS:



Basic Requirements of Tendering Process

Communications of Requirements to Market (Electronic or Paper based)

- Clarity • Completeness • Un-ambiguous
- Documentation • Units • Eligibility
- Qualification • Conditions

Pre-Bidding Stage

- Need/Demand assessment & indents compilation, Sanctions, Funding
- Estimated value assessment
- Mode of Tendering
- Purchase proposal and approval by CA
- Preparation of Bid Documents
- Bid Invitation, Pre-bid meeting and
- Bid Opening

Inflexible Specs Inflate Price

Rigid (closed) Specs tend to increase the price due to lack of competition / single-vendor-situation.

- The Specs should be broad-based to the extent possible to promote competition.
- Standard specification should be adopted to further promote competition.

Additional Features Enhance Price

- Every requirement included in the Specs tends to increase the price.
- So it should be need-based (Quality, Quantity)

- To achieve this, it should be subjected to Value Analysis.

Stringent Terms Push Price Up

- Stringent terms tend to increase the price.
- So the terms should be balanced.
- The EMD should be for a reasonable amount
- The tender documents to incorporate time limits for release of EMD and PBG
- The delivery schedule should allow reasonable time to the supplier.
- The payment terms shouldn't be open-ended
- The L/D provisions should incorporate a ceiling
- FM clause to be incorporated
- Pre-dispatch Inspection
- More and Stringent the conditions in tender - be sure to see the impact in bids

Greater Risk Leads to Higher Price

- Risk is an uncertain event that is seen to have adverse impact. It should not be too great for the supplier.
- Risk should be borne by the party best able to carry.
- Risks passed on to the supplier tend to increase the price.
- Bidders will seek higher margins for higher risks



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Challenges in Procurement

- Formulating broad-based specifications
- Promoting competition
- Providing equal opportunity
- Sourcing restrictions
- Allowing reasonable time
- Securing best value for money
- Ensuring fairness and transparency
- Implementing Government / PSU policy
- Minimizing emergency procurement
- Obtaining approval of Competent Authority
- Financier determines the Rules of Policy & Framework.

Pre-Tender

- Tender Notice
- Tender Documents: Earnest Money, Eligibility Criteria, Qualification Criteria, Bidding Conditions, Pre-bid Meeting.
- Adequate and Reasonable Time to Bidders for Bid submission.

Qualifying Criteria - Broad Features

- A minimum average turnover
- Experience in similar projects
- Successful track record of timely completion of similar projects
- Availability of qualified manpower and P&M and quality control facilities
- Availability of service facility near the site.

Schedule of Requirements (SOR)

- Detailed description, List of Specification, Drawings, Scope of work etc
- Quantity, unit, measurement
- Destination/port/place/site-Location
- Time frame of delivery/completion
- Bid submission and opening - time and date
- Fixed or Variable Price
- Quantity variation clause
- Inspection Agency/Work Supervision
- Bid Security EMD.

- **Details of tender document :** Bid Notice/Bid Invitation, Schedule of Requirements (SOR) Instruction to Bidders, GCC, SCC.
- **Tender documents** are to be downloadable and Free.

Modes of Tendering or Method of Obtaining Bids

- Procurement through e-Tender System: Open Tender or Open Global Tender, Limited Tender, Single Tender
- Other variants: Two packet bids, e - Reverse auction (e-RA), e-RA with initial bid

Tendering Process

- Open e-tender is the norm: Most competitive bidding process, All high value tenders above specified value must be open e-Tenders.
- Limited e-Tenders are issued in specific cases: Competition is restricted, For low value purchase, issued to approved / registered /selected suppliers.
- Single e-tender: No competition, adopted in exceptional cases.
- For propriety articles
- For petty value purchase
- In emergency.
- For procurement from KVIC, ACASH etc

Essentials in Tendering Process

- NIT (Notice Inviting Tender): Advertisement
- Preparation of tender documents
 - Tender information: Tender no., Closing date & Time, EMD, Tender Document cost (Now free- No cost)
 - Bid Evaluation criteria, Eligibility criteria, Delivery requirements, Other terms & conditions
 - Schedule of requirement: Description, drawing, specification of goods, Quantity, Units, place of requirement, consignee, inspecting authority etc.
- Transparency, Fairness, Cost effectiveness, Efficiency
- Avoid conditions Restricting Competition

Preparation of Bid Documents, Contents Bids Invitation and Bid Opening:

Bid Document:

- Most important document in procurement process: Conveys the buyers exact requirements to the market, It lays down the rules of the game
- Review the Bid document to consider: For difficulties faced in settling past tenders and taking due care in easing them, For any new policy changes and incorporating them.
- To ensure effective and efficient procurement it is absolutely essential to give proper time and thought in preparation of the bid document.

- Pre-tender work on Bid document will smoothen & speedup the tender finalization process.

Bid Document Contents:

- Bid notice or Notice Inviting Tender (NIT) or Invitation for Bids (IFB) Bid documents consist of: Critical date sheet, Instructions to Bidders (ITB) & Bid Data Sheet (BDS), Eligibility criteria & Qualification requirements, Schedule of Requirements (SOR), Price schedule, Standard Forms & Formats, Drawing and specifications, General conditions of contract, Special conditions of contract, Contract form, Check list (Strongly recommended), Amendments/Corrigendum of bid

Bid Notice / Bid Invitation / NIT / IFB

- Must be published in leading News Papers & website of organization (CVC requirement), CPPP & GeM portals
- It must contain:
 - Description in brief, specification etc - Quantity and unit
 - how to obtain tender documents
 - Bid Security (EMD), 2-5% of Estimate, GFR Rule 170
 - (i) - Bid opening date – at least 3 weeks (Domestic)/4 weeks(Foreign) from publication of Bid Notice, GFR Rule 161(v)
 - Contact person, address, website (It must be small in size to reduce advertisement cost)

Instructions To Bidders (IFB)

Bid Security/ Earnest money Deposit (EMD) Amount (2-5% of estimate)

- Forms acceptable-cash/BG/FD/Bank Draft etc • For BG/FD-acceptable banks: Nationalised, Foreign, Scheduled banks
- Format of BG • Validity Required When EMD will be returned • Waivers permissible-if any
- Applicable Laws

Submission of Offers:

- Types of firms eligible-manufacturers, Authorized agents, traders etc • Reference of forms for rates submission • Documents

- required with bid • In two bid systems-separate technical & commercial offers required and details of procedure for opening financial bids
- Each page is to be signed and uploaded
- Language for interpretation • Statement of deviations • Interpretation for discrepancies
- How, where and up to when bid is to be submitted

Statements and Reports to be Submitted

- Authority letter from manufacturer (if needed) • Performance statement • Banker's Report/Annual Financial Statement • Details of equipments and Quality control • Statement of Deviations-technical and for other clauses of tender document-preferably nil

Basis of Price Bio

- FOR Destination/Ex works/FOB/ CFR/CIF etc • Agency Commission (if any) - for imported offer • Taxes and duties to be paid in India by purchaser • Statutory variation permissible for GST etc • Taxes, duties, inland freight - in foreign country by bidder • Permissible bidding currencies - import bid • PVC applicability - if yes give PVC formula & base parameters - PVC formula quoted by bidders not acceptable - GFR - PVC should be given for contracts running for more than 18 months

Security Deposit (SD) or Performance Guarantee

- Amount, 5-10% of Contract value, GFR Rule 171(i) • Forms acceptable-Cash/BG • For PBG - acceptable banks - Nationalized, Foreign with countersign, scheduled banks
- Format of PBG • Validity Required • When SD/PBG will be returned • Waivers permissible - if any • Applicable Laws

Bid Evaluation Criteria - To Be Clearly Specified

- Clearly specify what components of price & other charges such as training, installation & commissioning, AMC etc will be added for bid evaluation and ranking
- All inclusive price FOR destination for Indigenous offers, unloading consignee end?
- For imported offer - Total landed cost after clearance at Indian port which includes



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- - FOB + Agency commission + sea freight + Insurance + Port handling + Custom Duty + IGST + Inland freight
- All bids are converted to INR for comparison with Foreign Exchange rate (specified category & source) as prevailing on date of tender opening

Other Important Conditions

- Full details of purchaser/manufacturer
- Alternate offers acceptable or not
- Special requirements for Indian Agents
- Splitting of quantity will be done or not
- Tender for part quantity acceptable or not
- Know local conditions - Any plea of not knowing local conditions after contract will not be acceptable
- Dispute resolution method
- Applicable laws

Delivery Terms - Price, Time & Risk

- **Terms:** Ex-works, FOR Station of despatch, FOR Destination, Door delivery, Inco terms 2010 (2020 under consideration)
- Freight: paid/extra, borne/reimbursed
- Insurance: for transit, risk & responsibility
- Mode of transit: Rail/Road/Ship/Air/Hand/Courier
- When the property in goods passes
- Obtaining Over Dimensional Consignment (ODC) Clearances responsibility
- **Buyers' obligation:** Raw material supply in Fabrication Contracts, Arranging Road Permits etc
- Time-lines for delivery, Installments, Severable, Entire
- Documentation for delivery- Invoice, RR/LR, IC, Packing list
- Delayed delivery, Non-delivery: consequences

For Imports

- Most of Govt contracts are on CIF or CFR basis
- Marine Insurance is by: -By Purchaser in FOB or CFR contracts, By Supplier in CIF contracts
- Ocean Freight- tenders seek FOB price & Ocean freight, FOB & CIF/CFR
- On Arrival of Consignment at Indian Port,

Clearance, Transportation & Insurance is by Consignee/Purchaser for FOB/CFR/CIF contracts

- Agency commission is permissible for Indian agent, but has to be paid in INR only

General & Special Conditions of Contract

- Definitions of various terms
- Inspections : Responsibility for boarding, Lodging, travel etc, Facilities for inspection
- Subletting of contract not permissible
 - Mistakes in drgs/specs to be pointed out before contract
 - Liquidated Damages
 - Default and Risk purchase
 - Arbitration clause for disputes resolution
 - Force Majeure clause
 - Laws governing contracts - Indian laws
 - Jurisdiction of court - purchaser's city/state
 - Corruption and payment of commission
 - Integrity Pact
 - Secrecy clause
 - Warranty clause
 - Packing requirements
 - Transit risk or risk till delivery to consignee.

Check List (Can be Modified Case to Case Basis)

- Have you submitted bid guarantee?
- Have you submitted Letter of authority from manufacturer?
- Have you submitted performance statement?
- Have you submitted banker's Report?
- Have you submitted details of equipments and quality control?
- Have you submitted statement or deviations?
- Have you quoted in prescribed Proforma?

Note: All answers are to be Y/N with remarks as applicable

Competition

"Higher productivity, efficient allocation of resources, increased consumer welfare through lower prices, better quality, wider choices and accelerated growth are the evidences that accrue from greater competition"

Cartelisation:

"Cartel includes an association of producers, sellers, distributors, traders or service providers who, by agreement amongst themselves to, limit, control or attempt to control the production, distribution, sale or price of, or, trade in goods or provision of service".



Benefits of Competition

- Promotes Efficiency • Encourages Innovation
- Improves Quality • Boosts Choice • Leads to lower prices of goods and services • Promotes economic democracy

Tender Condition to Tackle Cartel:

A Model Condition

- Whenever all or most of the approved firms quote equal rates and cartel formation is suspected, the Purchaser reserves the right to place order on one or more firms with exclusion of the rest without assigning any reason.
- Tenderers are expected to quote for a quantity not less than 50% of tendered quantity. Offers for quantity less than 50% of the tendered quantity will be considered unresponsive and liable to be rejected in case cartel formation is suspected. The Purchaser, however, reserves the right to order on one or more firm any quantity.
- The tenderers who quote in cartel are warned that their names are likely to be deleted from the list of qualified sources.
- Wherever there is suspected cartel formation among qualified bidders, the Purchaser reserves the right to place bulk orders on bidders qualified for limited quantity orders and new sources.
- Signing of Integrity Pact.

Reasonableness of Rates:

- Estimated Rate in the Indent • Last Purchase Price of same or similar units. • Market Survey
- Budgetary quotations • Published Catalogues
- MRP printed on the item. • Cost analysis based. • Price of a similar / nearly equivalent Item. • Rough assessment from the prices of the assembly • Market Intelligence Cell (MIC)
- External Expert Costing Agencies

Price Updation

These methods can be supplemented with escalations to cater for inflation, price increases of raw materials, Labour, Energy, Statutory changes. Price Indices etc., to make them usable in conditions prevailing currently.

Types of Bid Rigging



BID COORDINATION

The bidders collude to quote same or similar rates that are much higher than the reasonable prices to force the buyer to settle the procurement at exorbitant prices.

COVER BIDDING

Cover bidding is designed to give the appearance of genuine competition, by way of giving supporting bids, for the leading bid-rigger.

BID SUPPRESSION

Bid suppression means that a company does not submit a bid for final consideration in support of the leader.

BID ROTATION

In bid-rotation schemes, conspiring firms continue to bid but they agree to take turns being the winning (i.e., lowest qualifying) bidder in a group of tenders of a similar nature.

MARKET ALLOCATION

Competitors carve up the market and agree not to give competitive bids in relation to procurement process for certain customers or in certain geographic areas.

PHANTOM BIDDING:

A phantom bid is a bid placed on an item where the bidder does not intend to purchase the item and attempts to raise the price of the item being offered. It is generally employed in auctions to compel legitimate bidders to bid higher than they normally would.

In regard to price indices of indigenous items, website of Ministry of Industry
<http://www.eaindustry.nic.in>

<http://www.mmronline.com>,

www.metalprices.com (subscription required)

www.asianmetal.com (subscription required)

<http://www.tradeintelligence.com>

<http://www.cmie.com>

RBI monthly bulletin, Economic survey, The World Economic Outlook. LME (London Metal Exchange), IEEMA www.ieema.org (for Electrical Manufacturers), Important publications Like RBI Monthly Bulletin, Business/commercial newspapers etc.



COVID-19, Schistocerca and Cyclones: Earthly Connections

By Aditya Chatterjee

Three seemingly unrelated events are currently causing havoc in our part of the world. First, it was Covid-19 that surfaced sometime in February 2020. The second is the still-unravelling saga of swarms of desert locusts (scientific name: *Schistocerca gregaria*) ravaging standing crops in Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh and Maharashtra. The third calamity was super cyclone Amphan that wrecked coastal Bengal and Kolkata, closely followed by Cyclone Nisarga that caused much damage to Mumbai's neighbouring Raigad district.



So, who or what connects these disparate occurrences? The answer is simple. It is us – the *Homo sapiens* – who are singularly responsible for bringing all of these disasters on ourselves.

Let us start with Covid-19. Whether it came from a bat or a pangolin, we aren't sure, but one thing is certain: The outbreak, that has already killed an estimated four lakh individuals globally and brought our world to an economic standstill, comes from the animal world.

The name given to such diseases transmitted from animals to humans is 'zoonosis', based on the Greek words for 'animal' and 'sickness'. And, these are not new – plague, tuberculosis, rabies and malaria – are all examples of zoonosis. Historian Yuval Noah Harari writes in his book, *Sapiens*, that “Most of the infectious diseases that have plagued agricultural and industrial societies (such as smallpox, measles and tuberculosis) originated in domesticated animals and were transferred to humans only

after the Agricultural Revolution.” This means we, humans, have been contracting such diseases for 12,000 years now. But something has changed in recent times.

Human greed has led to such unprecedented loss of forest land over the last two decades that animals and humans are coming in close contact than ever before. And, this is despite specialists persistently warning that if we do not desist, many other pandemics of this nature will follow. For example, some scientists believe that antibiotics-resistant avian flu from chicken will be the

source of the next pandemic. That superbug can potentially kill millions of people.

Significantly, human greed and the term anthropogenic are interrelated; the latter word means 'man-made'.

To understand why super-cyclones are battering our world with increasing frequency and ferocity, one needs to only look at the United Nations' Intergovernmental Panel on Climate Change (IPCC) report, published as recently as September 2019. The IPCC report spoke of future life on our planet, a world of multi-metre sea-level rise, and of category 5 cyclones hitting multiple times a year, and coastal cities and populations devastated by extreme weather events.

And, why will this happen? Another IPCC report says that our oceans have, since the baseline year of 1970, absorbed 90% of the excess heat generated by anthropogenic greenhouse gas



emissions. Critically, as compared to the period between 1969 and 1993, the rate of ocean warming has doubled during 1993-2017.

The correlation between global warming – which includes increase in sea-surface temperature (SST), increase in air temperature, sea level rise – and increased frequency as well as intensity of tropical cyclone is a complex one. IMD data shows that there has indeed been a 26 per cent increase in the occurrence of tropical cyclone over the past century. That's what actually matters beyond the scientific debates. Also, marine heat waves have doubled since 1982, and such waves have also become more long-lasting, more intense and more extensive. This probably contributed to the severity of Amphan, and 2019's Fani.

Now, whether an extreme weather event will become a disaster depends directly on the



patterns of development. In India, we have been blissfully ignorant about it – particularly along areas known to be prone to such events – to the extent of being even stupidly arrogant. From the flash floods in Mumbai in 2005 to that in Chennai in 2015, the imprint of this stupidity is ubiquitous. We tend to 'develop' an urban space without taking environmental conditions, ecological constraints, climate science projections into consideration.

Even if the weather events are considered to be 'natural', the ensuing disaster is always human-induced — incumbent upon the civil

constructions, roadways, sewerage systems, weather forecasts, relief and aid. Until we become attentive to these factors on an urgent basis, we will continue pay heavier prices for our impudence and imprudence as cyclones continue to gain wind speed. Consider this: Cyclone Aila hit Bengal with a wind-speed of 120 kmph in 2009, Fani (only the second cyclone in 128 years to have made landfall in India in the pre-monsoon season) made landfall on the Odisha coast at 170 kmph in 2019, and now Amphan came with a wind-speed of 185 kmph.

According to UN reports, what used to be such once-in-a-century weather events are set to become as frequent as once-a-year in tropical regions. One also has to bear in mind that our country has the seventh longest coastline in Asia – stretching for over 7,500 km. Thus, we are very, very vulnerable.

Arabian Sea has been witnessing an increase in cyclonic activity over the last couple of decades. Public memory is fickle; otherwise, we would have remembered that between 1998 and 2001, three cyclones had crashed into the Indian subcontinent to the north of Mumbai, claiming over 17,000 lives. We also know of 2007's Cyclone Gonu, a Category 5 hurricane and the Arabian Sea's strongest-ever recorded storm, battering Oman, Iran and Pakistan. Another danger lurks in the Arabian Sea. The sea is by no means seismically inactive. There is a recently-discovered, probably very active, 800-





kilometre long fault system off the coast of Oman that faces the west coast of India. Mumbai's rich and famous better take a note of this!

I will now delve into the third part of this article – the desert locusts or *Schistocerca gregaria*. This type of locust is one of about a dozen species of short-horned grasshoppers. These are unique animals in the way how they change their behaviour – when the climate becomes conducive for their breeding. This particular swarm originated in the 'Horn of Africa', the easternmost projection of the African continent, lying along the southern side of the Red Sea and closest to Asia. Excess rains reportedly led to formation of lakes in the middle of the Oman desert as well – triggering locust hatching from long-dormant eggs. The India-Pakistan border too apparently is a breeding ground for these insects.



patterns. It seems that these forces of nature are in an unforgiving mood – wanting to punish humanity for all its misdeeds.

The Scripps Institution of Oceanography, which collects daily measurements of atmospheric CO₂ atop Hawaii's Mauna Loa,

announced on Thursday, June 4, that CO₂ levels reached a record high of 417.2 parts per million (ppm) in May 2020 – likely to the highest amount in millions of years. As per the Scripps chart, atmospheric CO₂ was around 317 ppm in the late 1950s. Bad news seems to be unending.

This brings me to the genesis of the Kurukshetra war in the epic Mahabharata. The Vishnu Purana says the Earth Goddess, in the form of a cow, complains to Lord Vishnu that she has been milked so terribly by the greedy kings of the earth that her udders are sore. The Lord promises retribution and spills the blood of these kings on earth so that like a lioness, the earth goddess can drink their blood. Thus, the Kurukshetra war was preordained and it ended with a monumental loss of lives.

P.S.: I still haven't touched upon the issue of rapidly melting permafrost in the Arctic regions and the many million-year old bacteria that hides beneath this veil. Our science is defenceless against it, and many rounds of pandemics may be on their way to exterminate humanity.

However, I feel there's still hope. We, hopefully, will mend our ways of unchecked industrialisation and greed, and Mother Nature will relent in her fury. Amen.

About the author : Aditya Chatterjee is an award-winning communications professional with more than 25 years of experience, which includes rich editorial stints at leading publications.



But what brought in that excess rain in that impossibly arid Eastern African/West Asian region? Again, it's a 'man-made' disaster. We have caused so much global warming that the seas, winds, and clouds are all conspiring together and behaving in unprecedented



ಬೆಮೆಲ್‌ನಲ್ಲಿ “ಯಕ್ಷಗಾನ ತರಬೇತಿ ಶಿಬಿರ”

"ಕರ್ನಾಟಕ ಯಕ್ಷಗಾನ ಅಕಾಡೆಮಿ ಬೆಂಗಳೂರು" ಸಹಯೋಗದೊಂದಿಗೆ "ಬಿ.ಇ.ಎಂ.ಎಲ್ ಲಲಿತ ಕಲಾಸಂಘ"ವು 40 ದಿನಗಳಕಾಲ ಯಕ್ಷಗಾನ ತರಬೇತಿ ಶಿಬಿರವನ್ನು ಇತ್ತೀಚೆಗೆ ಏರ್ಪಡಿಸಿತ್ತು.

ಕರ್ನಾಟಕ ಯಕ್ಷಗಾನ ಅಕಾಡೆಮಿಯ ಅಧ್ಯಕ್ಷರಾದ ಶ್ರೀ ಎಂ.ಎ. ಹೆಗಡೆಯವರು ಉದ್ಘಾಟನೆ ಮಾಡಿದರು. ಮನುಷ್ಯ-ಮನುಷ್ಯನ ನಡುವಿನ ಮಾನವೀಯ ಸಂಬಂಧಗಳು ಯಕ್ಷಗಾನದಂತಹ ಕಲೆಗಳಿಂದ ಬೆಸೆದುಗೊಳ್ಳುತ್ತದೆ. ಮನುಕುಲವನ್ನು ಸುಶಿಕ್ಷಿತ ವಾಹಿನಿಗೆ ಕಲೆಯು ವಿಲೀನಗೊಳಿಸುತ್ತದೆ. ಇಂದಿನ ಯುವಕರು ಇಂತಹ ಕಲೆಗಳನ್ನು ಬೆಳೆಸುವತ್ತ ಗಮನ ಹರಿಸಬೇಕು. ಬಿ.ಇ.ಎಂ.ಎಲ್. ಆಡಳಿತ ಮಂಡಳಿಯು ಪ್ರೋತ್ಸಾಹ ನೀಡುತ್ತಿರುವುದು ಸ್ವಾಗತಾರ್ಹ ಎಂದರು.

ಕಾರ್ಯಕ್ರಮದ ಅಧ್ಯಕ್ಷತೆಯನ್ನು ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣದ ಕಾರ್ಯನಿರ್ವಾಹಕ, ನಿರ್ದೇಶಕರಾದ ಶ್ರೀ ಪಿ. ನಾಗರಾಜ್ ರವರು ವಹಿಸಿದ್ದರು, ಮುಖ್ಯ ಅತಿಥಿಗಳಾಗಿ ಶ್ರೀಮತಿ ನೀನಾಸಿಂಗ್ ಉಪಪ್ರಧಾನ ವ್ಯವಸ್ಥಾಪಕರು, ಶ್ರೀ ದೊಮ್ಮಲೂರು ಶ್ರೀನಿವಾಸ ರೆಡ್ಡಿ ಅಧ್ಯಕ್ಷರು ಕಾರ್ಮಿಕ ಸಂಘ, ಶ್ರೀ ಆರ್. ಗಜೇಂದ್ರ ಅಧ್ಯಕ್ಷರು, ಪರಿಶಿಷ್ಟ ಜಾತಿ/ಪಂಗಡ, ಶ್ರೀ ವಿಜಯಕುಮಾರ ಗೌರವ ಅಧ್ಯಕ್ಷರು, ಕನ್ನಡ



ಶಿಬಿರದಲ್ಲಿ ಪಾಲ್ಗೊಂಡಿದ್ದ ಕಲಾವಿದರುಗಳು

ಸಂಘ. ಹಾಗೂ ತರಬೇತಿ ಶಿಬಿರದ ಗುರುಗಳಾದ ಶ್ರೀ ಸುಬ್ರಾಯ ಹೆಬ್ಬಾರು ಉಪಸ್ಥಿತರಿದ್ದು ಶಿಬಿರಾರ್ಥಿಗಳಿಗೆ ಶುಭ ಹಾರೈಸಿದರು. ಲಲಿತಕಲಾ ಸಂಘದ ಅಧ್ಯಕ್ಷರಾದ ಪಿ. ಧನಂಜಯರವರು ಪ್ರಾಸ್ತಾವ ನುಡಿಗಳನ್ನು ಸಲ್ಲಿಸಿದರು ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿ ಜಿ.ಹೆಚ್. ತಿಮ್ಮೇಗೌಡರು ಕಾರ್ಯಕ್ರಮ ನಡೆಸಿಕೊಟ್ಟು ವರದಿ ನೀಡಿದರು.

ಶ್ರೀ ಶಂಕರ್ ಬಾಳಕುದ್ರು ನಿರ್ದೇಶನದಲ್ಲಿ "ಕಂಸವಧೆ" ಯಕ್ಷಗಾನ ಪ್ರಸಂಗವು ಪ್ರದರ್ಶನಗೊಂಡು ಪ್ರೇಕ್ಷಕರ ಮೆಚ್ಚುಗೆ ಪಡೆಯಿತು.

ಕಾಲದ ಮಹತ್ವ ತಿಳಿದಿರಲಿ

- | | |
|---|---|
| 1) ಹತ್ತು ವರ್ಷ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಹೊಸದಾಗಿ ವಿಚ್ಛೇದನ ಪಡೆದ ದಂಪತಿಗಳನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 2) ಒಂದು ವರ್ಷ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಪರೀಕ್ಷೆ ಫೇಲದ ವಿದ್ಯಾರ್ಥಿಯನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 3) ಒಂಭತ್ತು ತಿಂಗಳು ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಸತ್ತ ಮಗುವಿಗೆ ಜನ್ಮವಿತ್ತ ತಾಯಿಯನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 4) ಒಂದು ತಿಂಗಳು ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಎಂಟು ತಿಂಗಳ ಅಪೂರ್ಣ ಮಗುವಿನ ತಾಯಿಯನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 5) ಒಂದು ವಾರ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ವಾರಪತ್ರಿಕೆಯ ಸಂಪಾದಕರನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 6) ಒಂದು ತಾಸು ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಪ್ರಿಯತಮೆಗಾಗಿ ಕಾಯುತ್ತಿರುವ ಪ್ರಿಯಕರನ ಕೇಳಿ ನೋಡಿ. |
| 7) ಒಂದು ನಿಮಿಷ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ರೈಲನ್ನು ಮಿಸ್ ಮಾಡಿಕೊಂಡ ಯಾತ್ರಿಕನನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 8) ಒಂದು ಕ್ಷಣ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಅಪಘಾತದಲ್ಲಿ ಸಾಯದೆ ಉಳಿದ ವ್ಯಕ್ತಿಯನ್ನು ಕೇಳಿ ನೋಡಿ. |
| 9) ಒಂದು ಕ್ಷಣಾರ್ಧ ಎಂದರೆ ಎಷ್ಟು ಅಮೂಲ್ಯ ಎಂದು | - ಒಲಂಪಿಕ್‌ನಲ್ಲಿ ಬೆಳ್ಳಿ ಪದಕ ಪಡೆದ ಆಟಗಾರನನ್ನು ಕೇಳಿ ನೋಡಿ. |

ಪ್ರತಿಯೊಬ್ಬರೂ ಕಾಲದ ಮಹತ್ವವನ್ನು ತಮ್ಮ ಜೀವನದಲ್ಲಿ ಅಳವಡಿಸಿಕೊಂಡರೆ ಉತ್ತಮ.

ಡಿ.ಹೆಚ್. ಸಿದ್ದನಗೌಡ, ಆರ್. ಮಾಜಿ ಉಪಾಧ್ಯಕ್ಷರು, ಕನ್ನಡ ಸಂಘ, ಬಿ.ಇ.ಎಂ.ಎಲ್., ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ

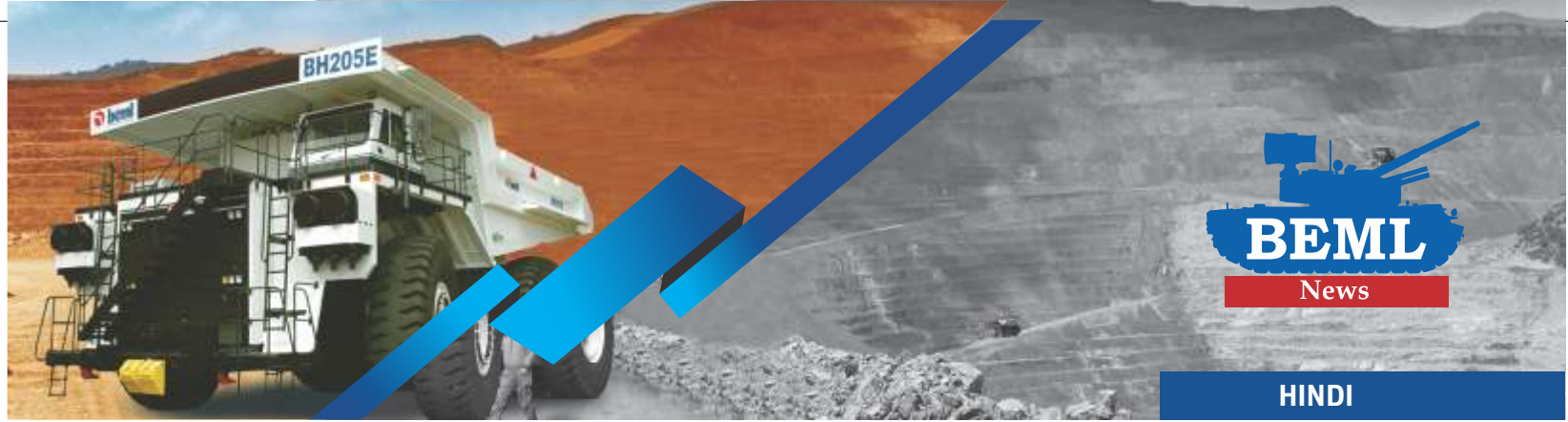
ಕವನ - ನನ್ನ ಜೀವನ

ಕಳೆಯಿತು ನನ್ನ ಬಾಲ್ಯ ಜೀವನ
ಬಂದಿತು ನನಗೆ ತುಂಬು ಯೌವನ
ಕಲಿಯಲಿಲ್ಲ ಸರಿಯಾದ ವಿದ್ಯಾಭ್ಯಾಸವನ್ನು
ಆದರೂ ಆ ದೇವರು ಕರುಣಿಸಿದ ನನಗೆ
ಒಳ್ಳೆಯ ಸರ್ಕಾರಿ ನೌಕರಿಯ ಜೀವನ
ಜೊತೆ ಜೊತೆಯಲ್ಲೇ ವಿವಾಹ ಬಂಧನ

ಮಾಡಿದೆ ಮುಂದಾಲೋಚನೆಯನ್ನ
ನಾನಾದೆ ಯಜಮಾನ, ನಾನಾದೆ ಯಜಮಾನ
ಕೂಡಿಟ್ಟೆ, ಮಾಡಿಟ್ಟೆ ಅಲ್ಪ ಸ್ವಲ್ಪ ಚರಾಸ್ತಿರ
ಆಸ್ತಿಯನ್ನ, ನೀಗಿಸಿದೆ ಮನೆಯಲ್ಲಿ
ಎಲ್ಲರ ಕಷ್ಟ ಕಾರ್ಪಣ್ಯಗಳನ್ನ
ನಾನಂದು ಕೊಂಡೆ ನಾನೇ ದಿವಾನ

ನಾನಂದು ಕೊಂಡೆ ನಾನೇ ದಿವಾನ
ಆದರೆ ನಾನಾಗಲಿಲ್ಲ ದಿವಾನ
ನಾನಾದೆ ಮನೆಯಲ್ಲಿ
ಎಲ್ಲರ ಜವಾನ, ಎಲ್ಲರ ಜವಾನ

ಎ. ವಾಸುದೇವ, ಆರ್.
ಬಿ.ಇ.ಎಂ.ಎಲ್., ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ



HINDI

हिन्दी कार्यशालाओं का आयोजन

राजभाषा विभाग, भारत सरकार के निदेशानुसार प्रत्येक तिमाही में एक हिन्दी कार्यशाला आयोजित की जानी है। इसी अनुक्रम में बीईएमएल लिमिटेड के विभिन्न कार्यालयों में निम्नानुसार हिन्दी कार्यशालाएं आयोजित की गईं।

सामूहिक कार्यालय :

दिनांक 19.12.2019 को सामूहिक कार्यालय, बेंगलूर में सम्पन्न एक दिवसीय हिन्दी कार्यशाला में कुल 26 अधिकारियों/कर्मचारियों ने भाग लिया। इस कार्यशाला के पूर्वाह्न सत्र में डॉ. घेवर राम चौधरी,



वरिष्ठ हिन्दी अनुवाद अधिकारी, डीआरडीओ, बेंगलूर तथा अपराह्न सत्र में श्री एम.पी. दामोदरन, उप निदेशक(राजभाषा), कॉफी बोर्ड, बेंगलूर को संकाय सदस्य स्वरूप में आमंत्रित किया गया था।



उदघाटन सत्र की अध्यक्षता श्री देवी प्रसाद सत्पथी, महाप्रबंधक - मा.सं. ने की और उन्होंने अपने अध्यक्षीय भाषण में सरकारी कार्यालयों में राजभाषा हिन्दी के उत्तरोत्तर प्रयोग के लिए किए जा रहे विभिन्न नवोन्मेषी कार्यों को साझा करने के लिए ऐसी कार्यशालाओं के आयोजन की महत्ता को रेखांकित किया। उन्होंने बीईएमएल में राजभाषा के लिए किए जा रहे प्रयासों की सराहना की और इन्हें आगे भी जारी रखने को कहा।



डॉ. चौधरी ने अपने व्याख्यान में सूचना प्रौद्योगिकी के क्षेत्र में भाषा की उपयोगिता पर प्रकाश डालते हुए, कंप्यूटर एवं अन्य आधुनिक उपकरणों में हिन्दी भाषा को सक्रिय करके कार्यालीन संदर्भ में उन्हें उपयोग करने के तरीके पर विस्तार रूप में अवगत कराया। श्री दामोदरन ने हिन्दी में टिप्पणी लेखन एवं प्रारूप लेखन के सरल उपायों को उदाहरणों सहित प्रतिभागियों को समझाया। कार्यशाला के अंत में प्रतिभागियों से प्राप्त फीडबैक से कार्यशाला काफी ज्ञानवर्धक और उपयोगी रही। श्री जे.आर.गोपालकृष्णन, प्रबन्धक (राजभाषा) ने सभा का स्वागत किया तथा कार्यशाला के प्रतिभागी श्री अश्वत नारायण ने धन्यवाद ज्ञापित किया।

बेंगलूर कॉम्प्लेक्स

दिनांक 23.12.2019 को बेंगलूर कॉम्प्लेक्स में अर्ध दिवसीय हिन्दी कार्यशाला का आयोजन किया गया। कार्यशाला का उदघाटन श्रीमती नीना सिंह, उप महाप्रबंधक (मा.सं.) के अध्यक्षीय भाषण से किया गया। उन्होंने कार्यशाला के आयोजन की रूपरेखा और उद्देश्य के बारे में बताते हुए वक्ता महोदय श्री एम.पी. दामोदरन, उप निदेशक(राजभाषा), कॉफी बोर्ड, बेंगलूर से आगे की कार्यशाला का सूत्रपात करने का अनुरोध किया।

श्री दामोदरन ने राजभाषा नीति, हिन्दी व्याकरण, वर्तनी, राजभाषा हिन्दी का व्यावहारिक प्रयोग, प्रशासनिक शब्दावली, आदि के बारे में प्रतिभागियों को अपने ज्ञान से लाभान्वित किया था। उन्होंने इंटरनेट पर निःशुल्क उपलब्ध हिन्दी शब्दकोशों की जानकारी देते हुए उनका उपयोग किस प्रकार किया जा सकता है इस बारे में जानकारी दी। संस्थान के 19 अधिकारियों/कर्मचारियों द्वारा कार्यशाला में भाग लिया गया। श्रीमती अनुसूया गौड़ा द्वारा धन्यवाद ज्ञापन के साथ कार्यशाला का समापन हुआ।



जिला कार्यालय, भिलाई

दिनांक 30.12.2019 को एक दिवसीय तिमाही राजभाषा कार्यशाला जिला कार्यालय, भिलाई में आयोजित की गई। कार्यशाला में अतिथि वक्ता के रूप में सुश्री वंदना नवकार, राजभाषा अधिकारी, एचएससीएल, भिलाई को आमंत्रित किया गया था। सुश्री वंदना ने उपस्थित सभी अधिकारियों/कर्मचारियों को हिंदी में कार्यालयीन काम करने हेतु कुछ सुखे बताए तथा अधिकाधिक कार्य हिंदी में करने पर बल दिया।



जिला प्रबंधक श्री चंद्र शेखर सिंह ने कहा कि विश्व में जो भी प्रगत राष्ट्र है, उनकी किताबें/शिक्षा माध्यम उनकी अपनी मातृभाषा में है। मातृभाषा में समझने में बहुत आसान होती है। इसलिए जापान, चीन, जर्मनी, कोरिया इन देशों ने इतनी तरक्की की है। हमें भी अपनी राष्ट्रभाषा में कार्य करना अपना कर्तव्य महसूस करना चाहिए। कार्यशाला में



मनोरंजक हिंदी प्रतियोगिता आयोजित की गई। प्रतियोगिता में श्री सुदीप्त सेन - प्रथम, दीपक धवारडे - द्वितीय तथा मुन्नालाल सेनी - तृतीय स्थान प्राप्त किया। विजेताओं को पुरस्कार प्रदान किए गए तथा सभी प्रतिभागियों को प्रोत्साहन पुरस्कार दिए गए।





कंप्यूटर पर हिन्दी में कार्य करने के लिए बेसिक प्रशिक्षण कार्यक्रम



सेवा प्रशिक्षण केंद्र, बीईएमएल लिमिटेड, केजीएफ़ गृह मंत्रालय, राजभाषा विभाग, बेंगलूरू के सौजन्य से हिंदी में कंप्यूटर पर कार्य करने के लिए बेसिक प्रशिक्षण कार्यक्रम का सफल आयोजन दिनांक 25 से 29 नवंबर 2019 तक किया गया।

सोमवार को कार्यक्रम के उद्घाटन के अवसर पर श्री अबनेजर समीर खेस, उप महाप्रबंधक (मा.सं.) ने अध्यक्षता की। उन्होंने कार्यक्रम की सफलता हेतु सभी को शुभकामनाएं देते हुए कहा कि हिंदी भारत सरकार की राजभाषा है व ऐसे प्रशिक्षण से कर्मचारी तकनीक की सहायता से कंप्यूटर पर सरकारी कार्य हिंदी में करने में सक्षम होंगे। उन्होंने इसके लिए राजभाषा विभाग के सहायक निदेशक श्री जयप्रकाश को बधाई देते हुए कहा कि ऐसे कार्यक्रमों के लिए हमारी कंपनी हमेशा आधारभूत सुविधाएं उपलब्ध कराने को तत्पर रहेगा, ताकि कंपनी के सभी कर्मचारी इससे लाभान्वित हो सकें। श्री जयप्रकाश ने हिंदी को राष्ट्रीय एकता के लिए आवश्यक बताते हुए कवि गुरु रविंद्रनाथ की इस उक्ति को उद्धृत किया कि हिंदी भारत की सभी प्रादेशिक भाषाओं की माला के मध्य मणि की तरह है और इसे बोलना और सरकारी कामकाज में प्रयोग करना बहुत सहज है। इस अवसर पर श्री गोपालकृष्णन, प्रबंधक (राजभाषा) ने उक्त कार्यक्रम की रूपरेखा, उद्देश्य और अपेक्षित परिणाम के बारे में संक्षिप्त जानकारी दी।

उद्घाटन सत्र के उपरांत प्रथम दिन श्री जे आर गोपालकृष्णन, प्रबंधक

(राजभाषा), बीईएमएल लिमिटेड, बेंगलूरू ने कंप्यूटर मूलभूत प्रयोजन, सूचना प्रौद्योगिकी का इतिहास, कंप्यूटर में यूनिकोड सक्रिय करने तथा उसमें कार्य करने की सरलता के बारे में उदाहरण सहित प्रतिभागियों को समझाया। द्वितीय दिवस में डॉ. घेवर राम चौधरी, वरिष्ठ अनुवाद अधिकारी, डीआरडीओ, बेंगलूरू ने हिन्दी अनुवाद में कंप्यूटर के टूल्स, मशीनी अनुवाद, विभिन्न कीबोर्ड तथा उसके स्वरूप आदि की जानकारी के बारे में बताते हुए ऑनलाइन अनुवाद, गूगल वाइस टाइपिंग, आदि के बारे में विस्तार रूप में प्रतिभागियों द्वारा प्रैक्टिकल के साथ समझाया। तीसरे दिन श्री सोमयाजूलू, कंप्यूटर केंद्र, बेंगलूरू ने विंडोज पर्यावरण में वर्ड, एक्सल, पावर प्वाइंट, कुछ उपयोगी शॉर्टकट कीज आदि के बारे में समझते हुए हिन्दी में इन प्रॉमेंटों को उपयोग करने की दिशा में जानकारी दी। कार्यक्रम के चौथे दिन श्री मनोज, कंप्यूटर केंद्र, बीईएमएल लिमिटेड, केजीएफ़ ने वर्तमान में कंपनी द्वारा अपनाई जा रही सॉफ्टवेयरों, माइक्रू, एसएपी, एफ़



एलएम एफ़टीएमएस आदि की उपयोगिता तथा उपयोग करने के तरीके को सरलता से प्रतिभागियों को अवगार कराया। पांचवें तथा अंतिम दिन के समापन सत्र में श्री जयप्रकाश, समन्वयक एवं सहायक निदेशक, राजभाषा विभाग ने सीडैक तथा राजभाषा विभाग द्वारा विकसित हिन्दी फॉन्ट कन्वर्टर, हिन्दी स्वयं शिक्षक-लीला पैकेज, प्रवाचक, ई-महाशब्दकोश, मंत्र, श्रुतलेख तथा कंठस्थ आदि सॉफ्टवेयरों के बारे में प्रकाश डाला।

कार्यक्रम में समापन सत्र में श्री तिरुमुरुगन, सहायक महाप्रबंधक, सेवा प्रशिक्षण केंद्र, बीईएमएल लिमिटेड ने मुख्य अतिथि पधारकर प्रतिभागियों को राजभाषा किट और प्रमाण पत्रों से सम्मानित किया। श्री अश्वत नारायण ने भी प्रशिक्षणार्थी के रूप में अपने अनुभव साझा किए। श्रीमति नमिता माझी, संयुक्त परवेक्षण ने पूरे सत्र के दौरान दिए गए प्रशिक्षण का तिथिवार लेखा जोखा प्रस्तुत करते हुए कहा कि यह प्रशिक्षण सभी के लिए अत्यंत लाभकारी और उपयोगी रहा है। उक्त अवसर पर वित्त विभाग के प्रतिभागी श्री राकेश राजन ने कहा कि उन्हें हिंदी का ज्ञान कम है लेकिन इस प्रशिक्षण के बाद वे तकनीक के सहारे हिंदी में भी कार्य करने में कुछ हद तक सक्षम होने का प्रेरणा उत्पन्न हुई है।





BEML

News

AWARDS

PRCI Awards



BEML receiving the PRCI Awards

It is a matter of pride that BEML bagged the prestigious Public Relations Council of India Excellence Award 2020. BEML Diary bagged Gold award in the category of diary, Silver for its CSR documentary dedicated to Mahatma Gandhi and Bronze award for its Corporate film.

Public Relations Council is a premier network council that connects PR, Corp. Comm., Media, Advertising, HR Professionals, apart from Mass Communication academia. It facilitates continued exchange of knowledge among professionals.

'Par Excellence' Award in NCQC



Team Marvel

BEML's Bangalore Complex Teams won 'Par Excellence' award in 33rd National Convention on Quality Concepts (NCQC) held at IIT BHU, Varanasi, recently.

Team 'MARVEL' led by Sri KYNV Prasad, Manager (Production) along with team members Shri Shivakumar, HST-Welder; Shri Chandrashekar, Technician-Welder; Shri Deepu S, Manager-Planning and Shri Anil Kumar K, Manager-Coach Delivery presented the case study on 'Optimization of MIG Brazing parameters for LHB Side wall manufacturing' based on Design of Experiments.

Team 'METRO' led by Shri M V N Raghavendra, Asst. Manager-Metro Carbody, along with team members Shri Jaya Kumar; Sr. Technician, Shri Ravishankar Ronalo, Technician; Shri Bibhuti Toppo, Asst. Manager-Metro Carbody and Shri Suresh Kumar S, Asst. Manager-Metro Carbody presented the case study on 'Productivity Improvement and Minimization of Bulges

(Protrusion Marks) on Roof in BMRCL Carbody Manufacturing'.



Team Metro

In this Convention, 1645 Case Studies were presented on Quality Circles and Allied Concepts, from all over the country by 505 organizations. With this, both the teams qualified to participate in International Convention on Quality Control Circles (ICQCC) 2020 scheduled in December 2020 at Dhaka, Bangladesh.

Leadership Award



CMD BEML, has been awarded Governance Now 7th PSU Leadership Award, in the category of 'Efforts & Achievements', at a function held at New Delhi recently.



Achievers



Ms. Rekha N Parmar, Supervisor, Dist. Office Ahmedabad, has been awarded with Rs.5000/- cash and certificate by the Gujarat State Govt. for expertise in the category of in person disabilities (Ortho) in the Public Sector.



Shri D Sundar, Deputy Supervisor working in HT Shop, EM Division, KGF Complex has been awarded the Degree of Social Works by International Peace University, Germany. He also participated and completed intense training-cum- seminar on the topic 'Establishing Global Peace'

by IPU Achievers Forum and Global Accreditation Council, Stuttgart, Germany.

Being a regular Blood Donor, he has donated blood more than 100 times for the needy people and received the Life Saver award from KGF Complex, BEML SC/ST Association.

Shri S Ravengaiyan, participated in the 39th State Masters Athletic Championship in the category of 50+ conducted by Karnataka Masters Athletic Association and secured first place in long jump, bagged second places in hammer throw, long jump and 100 mts running race. He was honoured at Rajayotsava celebrations at KGF.



Smt. Chitra Prabhavathi, wife of Shri Chachidanandan of Security Department, KGF Complex



and **Smt. SK Uma**, wife of Shri RS Venkatesh, Payrolls KGF Complex have been awarded 'Best Teacher' award by the Karnataka State Primary School Association, KGF in recognition of the service rendered in the field of education.

BEML - HQ Cricket Team Promoted to II Division

BEML Recreation Club Corporate Office emerged winners of the KSCA group II, III Division Cricket League after beating Karnataka Postal Sports Board in the finals at Bangalore, recently.





Combat COVID 19

As a socially responsible organization, BEML initiated quite a few steps to help the people during the Covid 19 lockdown period.

The Company organised supply of food for migrants, villagers in neighbouring areas of its units. It also supported and assisted self-help groups to manufacture home made mask and

with the help of BEML Ladies Club and Associations distributed to hospitals, corona warriors around the complexes.

BEML propagated good health practices by putting up banners and other related information materials. Social media platforms were used to spread awareness about precautionary measures to stay safe & healthy.

Apart from this, BEML implemented the Standard Operating Procedure (SOP) to provide guidelines to eliminate the chain of corona virus and to resume work in its plants and townships.



Poster Campaign



Walk through sanitizer



Area Sanitization



Distribution of Food



Distribution of Masks



BEML Social Media Campaign



Providing Clean Water