



Navayuga Engineering Company Limited successfully sets GUINNESS WORLD RECORDS® achievements for the 'most concrete continuously poured in 24 hours' and the 'largest continuous concrete pour' at the Polavaram irrigation project

Polavaram, 07th January, 2019: Navayuga Engineering Company Limited (NECL) a dominant player in the engineering and core infrastructure, is currently building the world's largest flood discharge capacity dam at Polavaram in Andhra Pradesh. NECL has been entrusted the Polavaram Project by the Govt. of Andhra Pradesh as the previous contractor could not meet the herculean challenges associated with completion of this massive project.

The Polavaram Project is a mega infrastructure landmark with a total of 48 gates, each of height 20 m and a width of 16 m and spanning a total of 1,119 m. It requires pouring of 38.1 lakh cubic meters of concrete; 50,000 tonnes of steel and 9,30,000 tonnes of cement, all in record time to complete the project. The project has been on the cards for 75 years and is a dream project for 5 crore people of Andhra Pradesh. Completing this challenging project will showcase NECL's superior and world-class engineering capabilities and also which make the state drought free forever. India's most prestigious and ambitious dam project, Polavaram will have a live storage capacity of 2,136 million cusecs and will ensure a reliable source of water supply to an aggregate population of 20 million. The project once completed will irrigate a total of 42 lakh acres ayacut in two phases and influence the supply of water to all 13 districts of Andhra Pradesh besides generating 960 MW of power.

NECL created a world record by pouring 32,315.5 cubic metres of concrete into the spillway channel of the project. With this we clinched two Guinness World Records® achievements — one for the 'most concrete continuously poured in 24 hours' and second for the 'largest continuous concrete pour'.

For these 2 record titles, the concrete work to fill the spill channel blocks began at 8 am on Sunday, 06th January 2019 and was concluded at 8 am on Monday, 07th January 2019. It was the unparalleled planning and engineering skills of NECL that made realize a task of such mammoth proportions. There were 20 agitor trucks, 23 dumper trucks and 90 transit mixers delivering concrete from 10 batching plants which were poured using 4 telebelts, 4 boom placers and even through direct dumping to achieve this incredible engineering feat. This is a significant step towards achieving the real victory in delivering a half-century old dream of the people of Andhra Pradesh - the Polavaram Dam Project. India has not seen a project of this size and scale and with these 2 Guinness World Records® titles, NECL have not just accomplished a colossal infrastructure milestone but has brought India on the global map of world-class engineering capabilities.



"The feat will be a big morale-booster for the company and AP and is a significant step towards delivering the Polavaram project before the start of the monsoon season," Mr Sridhar Chinta, Managing Director of NECL said, pointing out that the spillway will have one of the highest discharge capacities in the world at 5 million cusecs, surpassing China's 3 Gorges Dam that is one of the largest in the world with a discharge capacity of 4.7 million cusecs.

On his 30th visit to the Polavaram Irrigation Project site **Hon. Chief Minister Shri. N. Chandrababu Naidu** said, "We congratulate the team at Navayuga and everyone who has been part of the project for achieving the feat and developing such a mammoth project in such a short period of time. For those who say Indians can't perform Polavaram Irrigation Project is an answer to them. India has not seen a project of this size and scale. We have not just accomplished a colossal infrastructure milestone but have brought India on a global map by breaking the earlier records. Every Monday has been a 'Polavaram Day' as we have been reviewing the status of this project every Monday consistently. In the process we have countered and resolved multiple challenges and have been able to accomplish the work in a very short period of time. We aim to complete this project by May this year which will solve the water problems of millions of people".

Commenting on this attempt **Mr. Sridhar Chinta, Managing Director, Navayuga Engineering Company Limited** said "It is an extremely proud moment for Navayuga to be a part of such an iconic and landmark project in terms of its scale, expanse and impact on livelihood. Taking up the challenge of building this mega project is a perfect showcase of NEC's superior and world-class engineering capabilities. Working tirelessly round the clock to achieve an epoch-making feat in just 24hrs is a true testament to the hard work, dedication and sincerity of every member of the Navayuga family. This is a significant step towards achieving the real victory, delivering a half-century old dream of the people of Andhra Pradesh, the Polavaram Project, before the start of the next monsoon season. This is indeed a very proud moment not just for NEC, but also for the state of Andhra Pradesh and the nation."