

Date: 20-05-2024

CORRIGENDUM

| | |
|------------------------------|---|
| Tender Ref No | IITH/CE/SURIYAP/2024/O/T012 |
| Tender ID | 2024_IITH_807877_1 |
| Name of Tender | Twin Shaft Mixer |
| Reason of Corrigendum | Change in Item description & addition of specification for Twin Shaft Mixer |

| Description | Existing | Amended To |
|--|------------------|--------------------|
| Change in Item description | Turn Shaft Mixer | Twin Shaft Mixer |
| Addition of specification for Twin Shaft Mixer | Nil | As per Annexure-01 |

Note: All other terms and conditions of the tender remain unchanged. Bidders, who have already submitted their bids prior to issue of this corrigendum need to submit again.

Annexure-01

TWIN SHAFT MIXER 0.5 CuM -TSM- 750/500, FERT code: 104220000141

| Sl. No | Parameters | Spec. | Unit |
|------------------------------|---|---|--------|
| 1 | Loading capacity | 750 ltrs | Litres |
| 2 | Compacted concrete for per batch | 500 ltrs | Litres |
| 3 | Motor to gearbox coupling type | 4 nos V-Belt (2+2) | - |
| 4 | Gearbox to gearbox coupling type | Flexible Coupling | - |
| 5 | Main shaft Speed | 27 | rpm |
| 6 | Mixing arms (Gray cast iron castings - 600/3) | 6+6 @ 90° | - |
| 7 | Scraper arms (Gray cast iron castings - 600/3) | 2+2 | - |
| 8 | Mixing blades material, hardness & thickness | Hi-Chrome Casting, 54 to 58 HRC, 25mm | mm |
| 9 | Scraper blades material, hardness & thickness | Hi-Chrome Casting, 54 to 58 HRC, 25mm | mm |
| 10 | Bottom liners material, hardness & thickness | Ni-Hard castings, 54 to 58 HRC, 15.5mm | mm |
| 11 | Side liners material, hardness & thickness | Ni-Hard castings, 54 to 58 HRC, 12mm | mm |
| 12 | Maximum aggregate size & it's percentage | 80mm/10% max. | mm / % |
| 13 | Weight of mixer without Top cover | 1900 | kg |
| 14 | Noise level without load/with load | 90(without load) | dB |
| 15 | Hydraulic power pack for discharge gate opening | 1 No | - |
| 16 | Manual emergency for discharge gate | 1 No | - |
| 17 | No of gate position sensors & type of sensors | 2 no's/ Electrical - Limit Switch | |
| 18 | Auto greasing with central lubrication system | 1 No | - |
| 19 | No. of auto greasing points | 4 points | - |
| 20 | AGS pump capacity | LUBX-24 - 24 VDC Worm Geared Motor-15 W | |
| 21 | AGS grease tank capacity | 4 kgs | |
| Electrical parameters | | | |
| 1 | Motors input power supply type and phase | Alternating current, 3 phase | AC |
| 2 | Motors supply voltage with tolerance | 415 ± 10 % | Volts |
| 3 | Supply Frequency with tolerance | 50 ± 5% | Hertz |
| 4 | Mixer motor starting method | Star-Delta starting | - |
| 5 | Mixer motor capacity | 9.3 X 2 | kW |
| 6 | Hydraulic power pack motor starting method | Direct online starting | - |
| 7 | Hydraulic power pack motor capacity | 0.75 | kW |
| 8 | Hydraulic power pack solenoid operating voltage | 24 VDC | Volts |
| 9 | Motors insulation class | F | Class |
| 10 | Motors IP protection | 55 | IP |
| 11 | Motors duty cycle | Continuous | S1 |
| 12 | Motors efficiency class | IE2 | - |



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|----|--|-----------------------------------|-------|
| 13 | Auto greasing system input power supply type and phase | Alternating current, Single phase | AC |
| 14 | Auto greasing system supply voltage with tolerance | 230 \pm 10 % | Volts |
| 15 | Auto greasing system fault feedback signal | Yes | - |
| 18 | Mixer discharge gate position feedback signals | Yes | - |
| 19 | Mixer discharge gate position feedback signal voltage and type | 24 VDC | Volts |
| 20 | Motors data sheet and test certificates | Yes | - |