

SPECIFICATION OF 2 TONNE EOT CRANE

SL. NO	DESCRIPTION	REQUIREMENT
1	EQUIPMENT DESCRIPTION	EOT CRANE
2	PURPOSE	TO LIFT CERAMIC RAW MATERIALS STACKED ON PALLETS FOR LOADING TO BALL MILLS. WEIGHT OF EACH STACKED PALLET IS ABOUT 2 MT.
3	CAPACITY	2 METRIC TON
4	OPERATION	1. Through independent movable pendent push button station 2. Alternatively Hand held radio remote to be quoted as optional item.
5	APPLICATION	INDOOR
6	Area Classification	SAFE
7	SPÉCIFICATION & CLASS OF DUTY	M5 as per IS:3177-1999
8	SCOPE OF SUPPLY	SINGLE GIRDER WITH 4 WHEELS, CRANE WITH MOTORISED CROSS TRAVEL AND HOIST AS PER SPECIFICATION BELOW. WITH CONTROL PANEL

CRANE SPECIFICATIONS

1	CROSS TRAVEL	15 mts/min
2	LONG TRAVEL	20 mts/min
3	MAIN HOIST SPEED	4 - 5 mts/min with MICRO speed
4	CRANE SPAN	15.1 mts (Span to match existing girder & rails, supplier to measure the existing dimensions and suitably manufacture)
5	LIFT HEIGHT	7 mts
6	POWER SUPPLY	415 V AC, 3 PHASE, 50 Hz
7	DSL SYSTEM	4 LINE SHROUDED BUS BAR Approx Length : 50 mts
8	HOOK TYPE	SINGLE SHANK, 'C' TYPE, Hook shall be provided with safety latch as per IS 3835, Make: EEK/FTC/SMRITI FORGE
9	WIRE ROPE	FIBRE CORE, 6 X 36 CONSTRUCTION, WIRE ROPE as per IS 2266
10	ROPE DRUM	PLATE FABRICATED AND STRESS RELIEVED OR SEAMLESS PIPE ROPE DRUM SHALL BE PROVIDED AS PER IS-3177
11	BRAKE	
	MAIN HOIST	DISC BRAKE [TYPE & MAKE TO BE SPECIFIED]- 1no.
	CROSS TRAVEL	DISC BRAKE [TYPE & MAKE TO BE SPECIFIED]- 1no.
	LONG TRAVEL	DISC BRAKE [TYPE & MAKE TO BE SPECIFIED]- 1no.
12	CONTROL VOLTAGE	To be specified by the supplier
13	No. of falls	2 falls
14	End Carriages	Fabricated out of rolled stell channels
15	GEAR BOXES	OIL SPLASH LUBRICATED, FULLY ENCLOSED WITH EN-9/EN-8 PINIONS & GEARS, Hardened.



ಬಾಲಚಂದರ್ ಕೆ.ಎಸ್, ನಿರ್ವಾಹಕರು/ವೆಕ್ಸ್
ಬಾಲಚಂದರ್ ಕೆ.ಎಸ್., ಪ್ರಬಂಧಕ / ವೆಕ್ಸ್
BALACHANDAR K.S., Manager/WE>
BHEL-EPD, BANGALORE-560 012

16 CROSS TRAVEL & LONG TRAVEL
WHEELS

17 SHEAVES

18 LUBRICATION

19 BUFFERS

20 PAINTING

21 MOTORS

MAIN HOIST
CROSS TRAVEL
LONG TRAVEL

22 CABLES TYPE

23 CROSS TRAVEL TRAILING CABLE

24 PLATFORM

Single flanged taper tread wheels, mounted on antifriction bearing

CAST STEEL AS PER IS:1030 Gr.2

GROUP LUBRICATION WITH HAND GREASE GUN

RUBBER BUFFERS SHALL BE PROVIDED FOR LONG TRAVEL & CT MOTIONS

The complete crane structure shall be applied with 2 coats red oxide followed by two coats of synthetic enamel paint. Colour : YELLOW

Indicative rating, however bidders to quote rating as per their design.

RATING SHALL BE SPECIFIED BY THE SUPPLIER

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PVC ARMoured CABLES WITH SOLID COPPER CONDUCTORS

Through PVC Flexible trailing cable arrangement running on 'T' track

2 SHORT PLATFORM ON DRIVE SIDE TO BE PROVIDED

PREFERRED MAKES OF BOUGHT OUT ITEMS

1 MOTOR MAKE

2 WIRE ROPE

3 BRAKE

5 BEARINGS

6 LIMIT SWITCHES

7 SWITCH GEAR

8 HOOK

NGEF, BHARAT BIJLEE, SEIMENS, KIRLOSKAR, ABB

USHA MARTIN BLACK

PATHE/EMCO

SKF, FAG, NBC

CUTLER HAMMER MAKE

L&T, SEIMENS MAKE

EEK/FTC/SMRITI FORGE

GENERAL REQUIREMENTS

1 WARRANTY

2 SPARES & SERVICES

3 References

4 Catalogues / Technical data sheet

5 Company profile

6 ERECTION & COMMISSIONING

12 MONTHS FROM THE DATE OF SUCCESSFUL COMMISSIONING

Technical bid to indicate list of spares required for trouble free maintenance for two years. To be quoted separately in price bid.

List of clients wherein similar or higher capacity crane supplied in the past 2 years to be provided along with Technical bid

To be provided along with Technical bid

Brief company profile along with the facilities and product range shall be provided along with Technical bid

SCOPE OF SUPPLIER



बालचंदर के.एस. निवास बंगलूरु/बेङ्गलूरु
BALACHANDAR K.
BHEL-EPD. BANGALURU