

Annexure-6

Public Tender No.TMPL/PUR/012/577/016

Item: EOT Crane

**(PROFORMA FOR PROPOSAL EXHIBIT SHEET)
EQUIPMENT: ELECTRIC OVERHEAD TRAVELLING CRANE**

		Crane details			
		SPECIFIED	OFFERED		
			Crane-1 7.5 MT	Crane-2 12.0 MT	
General	Numbers provided	One			
	Location / Service				
	Make				
	Design standard	IS - 807 & IS - 3177			
	Lift(m)	Refer Specification	PI fill	PI fill	
	Cross Travel (m)	Refer Specification	PI fill	PI fill	
	Long Travel (m)	Refer Specification	PI fill	PI fill	
	Capacity (T)		7.5	12.0	
	Weight				
	-Bridge girder (kg)	As per manufacturer			
	-End truck (kg)	As per manufacturer			
	-Trolley assembly	As per manufacturer			
	Speed				
	-Bridge travel (m / Min)	20			
	-Trolley travel (m / Min)	10			
	-Main hoist (m / Min)	3			
	-Creep Speed(m / Min)	Low speed			
Bridge	Type	Double girder type			
	Type of girder construction	Box Type			
	Material standard	IS - 2062			
	Speed M/min with maximum load				
	Wheel Base (mm)				
	Material & Diameter of wheels				
	Make, Type & Size of Bearings for gears				
	maximum wheel load & spacing				
	Clear width of foot walk				
End Truck	Type of construction	Welded			

Uranium Corporation of India Limited
Po. Mabbuchinthalapalle, Tummalapalle Mines, Vemula (M),
Kadapa (Dt) A.P-516349

Rail	Type / Size	Sq.bar50mm			
	Design standard	IS - 3443			
	Material standard	Rail steel-As per IRS			
Bridge Wheel	Type	Double flanged			
	Size	As per manufacturer			
	Number per end truck	As per manufacturer			
	Material standard	EN 8/EN 9 forged			
	Mounting details	Rotating axle 'L' type			
Rope	Type / Design standard	IS-2266			
	Size / Designation				
	No. of falls				
	Min. breaking strength				
	Material standard	IS-2266			
Hoisting drum	Main Hoist				
	-Type				
	-Diameter (mm)				
	-Width (no of rope turns)				
	-Material standard	IS-2062			
Hook	-Type / Design standard	IS -3815			
	-Material standard	As per IS-1875			
	-Type of hook bearing	Thrust			
	Lift of hook above floor level (exclusive of travel required to operate limit switch)				
	Hook approach (HM)				
	Cab end				
	Opposite cab end				
Brake	Make &Type of brake				
	Main Hoist				
	Cross travel				
	Long Travel				

Uranium Corporation of India Limited
Po. Mabbuchinthalapalle, Tummalapalle Mines, Vemula (M),
Kadapa (Dt) A.P-516349

Coupling	Make / Type				
	-Motor to gear box for main hoist	Geared			
	-Gear box / Hoist to drum	Geared			
	-Motor to gear box bridge travel	Geared			
	-Gear box to bridge wheel	Geared			
	-Motor to gear box for trolley travel	Geared			
	-Gear box to trolley wheel	Geared			
Motor for hoist	-Type	Crane duty slip ring			
	-Make				
	-Class of enclosure/protection	IP-55			
	-Rating (KW) / Voltage (V)	As per manufacturer			
	-Insulation class	F			
	-Speed (rpm)	As per manufacturer			
Motor for travel	Bridge travel				
	-Type	Crane duty Sq.cage			
	-Make				
	-Class of enclosure protection	IP-55			
	-Rating(KW)/Voltage(V)	As per manufacturer			
	-Insulation Class	F			
	-Speed (rpm)	As per manufacturer			
	Trolley travel				
	-Type	Crane duty Sq.cage			
	-Make				
	-Class of enclosure	TEFC			
	-Rating (KW) / Voltage (V)	As per manufacturer			
	-Insulation Class	TEFC			
	-Speed (rpm)	As per manufacturer			
Gear Box	Main hoist				
	-Type	Helical			
	- Make	As per manufacturer			
	-Rating (KW)				
	-Material standard of housing	IS-2062			
	Material of gear & pinion				

Uranium Corporation of India Limited
Po. Mabbuchinthalapalle, Tummalapalle Mines, Vemula (M),
Kadapa (Dt) A.P-516349

	-Wall/plate thickness (mm)	As per manufacturer			
	-Gear material standard / heat treatment	EN8/EN9 duly heat treated			
	-Design code / service factor	As per IS:4460/2			
	-Reduction ratio				
	-Lubrication	Gear oil			
	Bridge Travel				
	-Type	Helical			
	Material of gear & pinion				
	-Make	As per manufacturer			
	-Rating				
	-Ratio	As per manufacturer			
	-Lubrication	Gear oil			
	Trolley Travel				
	Material of gear & pinion				
	-Type	Helical			
	-Make	As per manufacturer			
	-Rating				
	-Ratio				
	-Lubrication	Gear oil			
Electrical	Protection panel details				
	Main down shop leads				
	-Type / Design code				
	-Material				
	-Size (Sq.mm)				
	Main current collectors				
	-Type	Carbon shoe type			
	-Material	Brass collector			
	Traveling cable /cross conductors for trolley unit				
	-Type / Design code	Trailing cable with T-Track Trolley			
	-Material	Flexible cable			
	-Size	To suit current			
	-Type of suspension				
Control Panel	Make				
	Type	PENDANT			
Weight	Total wt. of crane (MT)				
	Wt.of Trolley/Crab (MT)				
	Wt. of each girder (MT)				

Uranium Corporation of India Limited
Po. Mabbuchinthalapalle, Tummalapalle Mines, Vemula (M),
Kadapa (Dt) A.P-516349

	Wt.of each end carriage (MT)				
	Wt of cabin (MT)				
	Wt of electricals				
	Wt of platforms				
	Wt of LT drive				
	Wt of other components (specify the component name)				
	LT Wheel load (max/min)				
	Total wt. of crane should match with other breakup				
Safety devices	Details(over load relay }				
	Make & type of limit switches				
	Main Hoist				
	Cross travel				
	Long Travel				
Load Data	-Wheel base				
	-wheel load				
	-Weight of buffer from rail top				
	- Force on buffer				
	Maximum deflection of girders under maximum working load				
Additional	Whether the following items have been furnished				
	- Leaflets & brochure				
	- GA drawing (showing elevation, cross section & plan of the crane) indicating clearances, hook approach, lift, wheel base wheel loads with spacing etc,				
	-Crane Clearance diagram				
	-Electric circuit diagrams showing wiring of complete crane				
	Test certificates for all motors, brakes, hook, wire Rope, radiography test for welded parts of girder, end carriage etc.				

Uranium Corporation of India Limited
Po. Mabbuchinthalapalle, Tummalapalle Mines, Vemula (M),
Kadapa (Dt) A.P-516349

	Material test certificate of all the items electrical, mechanical and structural components				
	Gear box details of all drives,				
	Inspection/test reports, of bought out items				
	Maintenance manuals, lubrication charts				

Note: If the above clauses are found inadequate for furnishing all necessary information of the cranes offered, the bidder may append further information separately.