

Sub: Inviting sealed quotations for Disposal of Old Electrical Equipment of MDI Campus Gurugram

Dear Sir

1. Sealed quotations are invited for the Disposal of Old Electrical Equipment of MDI Gurugram. The rates may be indicated separately against each item and submitted in sealed covers with clearly written on Top of Cover as "BIDS for Disposal of old Electrical Equipment of MDI Campus " addressed to:-

**The Resident Engineer
Management Development Institute
Mehrauli Road Sukhrali
Gurgaon – 122007 (Haryana)**

So as to reach on or before **1500 hours on 28 June 2017**.

The bids will be dropped in the TENDER BOX and will not be given in person to anyone in MDI.

2. The terms and conditions:-

- a) The rates quoted shall be inclusive of types labour etc.
 - b) You shall make your own arrangements for lifting and carriage of all the equipments from the MDI Gurugram.
 - c) The rates quoted shall be final and no negotiation will be done thereafter.
 - d) Once the rates quoted by the agency are accepted by MDI, the agency will be informed to deposit the amount by means of a DD/cheque in favor of MDI Gurgaon and once the amount is credited with the institute , the agency will be given one week's time to take the equipments.
3. MDI shall have the right to reject any or all the quotations without assigning any reason whatsoever.
 4. You may visit the site to assess the equipments which are being offered for disposal before submitting the quotation(s).

Thanking you,

Yours faithfully,
sdxxxxxx
(Subhash Chand)
Resident Engineer

BOQ OF ELECTRICAL ITEMS TO BE DISPOSED OFF AT MANAGEMENT DEVELOPMENT INSTITUTE AT GURGAON

SUMMARY OF QUANTITY

S.NO.	DESCRIPTION	TOTAL AMOUNT
1.0	ELECTRICAL ITEMS TO BE DISPOSED OFF	
(A)	DISPOSAL OF SUB - PANELS/FEEDER PILLARS/DISTRIBUTION BOARDS	
(B)	DISPOSAL OF MAIN LT PANEL	
(C)	DISPOSAL OF CHIMNEY	
(D)	DISPOSAL OF STEEL STRUCTURE	
(E)	DISPOSAL OF TRANSFORMER	
	TOTAL	
Note:-		
i)	The Contractor should quote the tender rates after visiting the site and inspecting all electrical items which have to be disposed off by the Client.	
ii)	All items have to be quoted on " as is, where is" basis.	
iii)	Cost of lifting , loading, etc has to be borne by the Contractor.	
iv)	Transportation cost and road permit etc has to be solely the responsibility of Contractor.	

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
1.0	ELECTRICAL ITEMS TO BE DISPOSED OFF				
	Disposal of dismantled Electrical Sub Panels, Feeder Pillars, Distribution Boards, Main LT Panel, Transformer, Chimney Stack and Steel structure from site on " as is, where is" basis.				
(A)	DISPOSAL OF SUB - PANELS/FEEDER PILLARS/DISTRIBUTION BOARDS				
	Disposal of Floor Panels/ Feeder Pillars, cubicle type, made out of 2 mm thick CRCA sheet, totally enclosed, IP-42, free standing, floor/Wall mounting, dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 433 V, 50Hz AC system with busbars, including internal wiring powder coated painting etc. including of following switchgears, metering instruments and accessories.				
1.1	PANEL-1 NEAR TRANSFORMER				
	<u>INCOMING</u>				
	400 Amps Fuse, 500V, (46 KA), SF Type HM 95322 Type HM				
	R,Y,B Indicating lamps.				
	Analog Voltmeter 0-500 Volts				
	Analog Ammeter 0-400 Amps				
	CTs: 400/5A - 3 nos.				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 500 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	200A SF 95216 Fuse Type HM				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
	100A SF 95013 Type HM				
	125A SF 94030 100 KA	1	Set		
1.2	FEEDER PILLAR NEAR SAMRIDDHI				
	<u>INCOMING</u>				
	300 Amps Fuse- 2 Nos.				
	320 Amps Fuse- 1 No.				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 400 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	100 Amps Fuse- 4 Nos.				
	125 Amps Fuse- 1 No.				
	63 Amps Fuse- 2 Nos.	1	Set		
1.3	FEEDER PILLAR NEAR BACK SIDE RESIDENCE D BLOCK				
	<u>INCOMING</u>				
	125 Amps Fuse- 2 Nos.				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 200 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	63 Amps Fuse- 7 Nos. but provision for 18 nos. Fuses	1	Set		

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
1.4	FEEDER PILLAR NEAR SIDE OF POWER HOUSE				
	<u>INCOMING</u>				
	100 Amps HRC Fuse- 1 No.				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 200 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	Provision for 9 nos. fuses				
	63 Amps Fuse- 1 No.				
	25 Amps Fuse- 1 No.	1	Set		
1.5	DISTRIBUTION BOARD 4 WAY TPN MADE BY PANEL MANUFACTURER				
	<u>INCOMING</u>				
	Only provision				
	<u>BUSBARS</u>				
	Existing but capacity not known.				
	<u>OUTGOINGS</u>				
	Provision for 12 nos. Fuses	1	Set		
1.6	PANEL				
	<u>INCOMING</u>				
	ACB - 1 - 640A, 36.6 KA, CNCS 640 (L&T)				
	ACB - 2 - 640A, 36.6 KA, CNCS 640 (L&T)				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
	BUS COUPLER:Capacity unknown				
	<u>BUSBARS</u>				
	Existing but capacity not known.				
	<u>OUTGOINGS</u>				
	1 no. 400 Amps TP and separate neutral link MCCB (35 KA) (ics=icu) with adjustable thermal magnetic release having over current & short circuit & earth fault protection.				
	9 nos. 125 Amps Fuse.				
	1 no. 100 Amps Fuse				
	1 no. 200 Amps Fuse				
	1 no. 400 Amps Fuse	1	Set		
1.7	PANEL				
	<u>INCOMING</u>				
	On Load C.O.S. 800A				
	BUS COUPLER:800 A				
	<u>BUSBARS</u>				
	Existing but capacity not known.				
	<u>OUTGOINGS</u>				
	630A FN680 (L&T)				
	315A Fuse				
	400A Fuse				
	500A Fuse				
	200A TPN MCCB				
	250A Fuse	1	Set		

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
1.8	PANEL				
	<u>INCOMING</u>				
	200 Amps Fuse				
	Analog Voltmeter 0-500 Volts				
	Analog Ammeter 0-200 Amps				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 300 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOING</u>				
	6 nos. 63A Fuse	1	Set		
1.9	GEN SET CONTROL PANEL				
	<u>INCOMING</u>				
	800 Amps Fuse				
	Analog Voltmeter 0-500 Volts				
	Analog Ammeter 0-1600 Amps				
	Frequency Meter 45-55 Hz				
	ON OFF Indicating Lamp				
	Ammeter Selector Switch				
	Voltmeter Selector Switch				
	Digital KWH Meter (KW, PF, Lead, Lag)				
	<u>BUSBARS: Existing but capacity not known.</u>				
	<u>OUTGOING</u>				
	500 Amps Fuse				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
	E/F Relay				
	O/C Relay				
	NO NC Controls				
	Alarm Annunciator				
	KWH Meter (Conventional Disc Type)	1	Set		
1.10	NEW PANEL				
	<u>INCOMING</u>				
	1 No. 1250 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	Digital Voltmeter 0-500 Volts				
	Digital Ammeter 0-1600 Amps				
	LED Type Phase indicating - (R,Y& B) Lamps provided with 2A SP MCBs for protection having lens and lamp openable from the top.-3 nos.				
	<u>BUSBARS</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 1250 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	2 nos. 250A Fuse				
	4 nos. 400A Fuse	1	Set		
	TOTAL OF (A) CARRIED OVER TO SUMMARY PAGE				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
(B)	DISPOSAL OF MAIN LT PANEL				
	Disposal of indoor type, fabricated out of 14 SWG MS sheet with MS 100 mm channel base frame free standing type weather, dust and vermin proof suitable for operation on 3 phase 4 wire 433 volt.50 Hz, AC supply. The panel shall incorporate bus bar chamber with aluminium bus bar extensible on either side in uniform rectangular section.The connections between bus bars and ACB/ MCCB switches has been fully insulated supported on hygroscopic insulated and covered with heat shrinkable colour coded sleeves. The panel is with the following panel mounting equipments including connections,				
1.1	MAIN LT PANEL				
	<u>INCOMING</u>				
	12 Digital KWH Meter (KW, PF, Lead, Lag)				
	1 No. 1250 Amps EDO Type FP ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	Analog Ammeter 0-20 A				
	Analog Voltmeter 0-30V				
	2 Nos. 1000 Amps EDO Type FP ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	1 No. 3200 Amps EDO Type FP ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	Metering and Indication:				
	Each incoming ACB shall be provided with the following :				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
	1 Set of phase indicating lamps with 2A SP MCB back up .				
	1 No. T-N-C breaker control switch. (Trip / Neutral / Close)				
	Protective Devices for Incomers :				
	Separate CT's are provided for protective and measuring system. CT's shall be suitable for capacitor bank and power factor meters etc.				
	The incoming ACB is provided with the following protective devices:				
	Each Transformer Feeders:				
	24 V DC Shunt trip coil.				
	Trip circuit supervision Relay				
	Master Trip Lockout Relay				
	1 Set of suitable rating CTs, CL-1.0 for APFCR relay.				
	2 O/C + 1 E/F Relay (with suitable rating CTs, CL-5P10				
	BUS COUPLER: Existing but capacity not known				
	<u>BUSBARS:</u>				
	Electrolytic high conductivity aluminium three phase and neutral busbars rated at 4000 amps having a maximum current density of 1.0 amp per sq.mm suitable to with stand symmetrical fault level of 35 M.V.A at 415 volts.				
	<u>OUTGOINGS</u>				
	1 No. 1000 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
	3 Nos. 800 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	2 Nos. 1600 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	1 No. 1250 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	1 No. 800 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	1 No. 3200 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
		1	Set		
	2 Nos. 1000 Amps EDO Type TP+N ACB (50 KA) with microprocessor release having inbuilt overcurrent and short circuit protection & Earth Fault Protection.				
	TOTAL OF (B) CARRIED OVER TO SUMMARY PAGE				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
(C)	DISPOSAL OF CHIMNEY				
	Disposal of exhaust pipe fabricated out of 6 mm thick "B Class" MS pipe including bends, reducers etc These pipes are insulated including cladding with aluminium sheet of 26SWG and covering from outside.				
a)	350 (NB) mm dia MS ERW Pipe	10	RM		
b)	250 (NB) mm dia MS ERW Pipe	10	RM		
	TOTAL OF (C) CARRIED OVER TO SUMMARY PAGE				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
(D)	DISPOSAL OF STEEL STRUCTURE				
	Disposal of exhaust pipe support structure in multitier formation including painting with 2 coats of red oxide primer and 2 coats of approved enamel paint / aluminium paint.	500	Kgs.		
	TOTAL OF (D) CARRIED OVER TO SUMMARY PAGE				

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S.NO.	ITEM OF WORK	QTY	UNIT	RATE	AMOUNT
(E)	DISPOSAL OF TRANSFORMER				
	Disposal of 500 KVA Outdoor ONAN type Transformer with copper winding, and -7.5 to +7.5 % in steps of 2.5 % OFF LOAD Tap Changer, 11 KV/433 V, 3 phase, 50 Hz, Vector Group Dyn-11 including bucholtz relay, Winding Temperature Indicator, Oil Temperature Indicator , Magnetic Oil Gauge, weather proof marshalling	1	Set		
	TOTAL OF (E) CARRIED OVER TO SUMMARY PAGE				