



RATE CONTRACT

PRICE SCHEDULE FOR COLTCS

NAME OF VENDOR-

INDIGENOUS VENDOR										FOREIGN VENDOR						
SL NO	ITEM DESCRIPTION	UOM	QUANTITY	UNIT EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF COLTCSs GIVEN AT SL NO-A.4 OF COLUMN 8	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL EX WORKS PRICE OF COLTCSs GIVEN AT SL NO-A.4 OF COLUMN 8	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST @ % AGAINST FORM 'C' /E/II (INR)	SERVICE TAX (IN %AGE) (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL PRICE OF COLTCSs GIVEN AT SL NO-A.4 OF COLUMN 17 INDIAN SEA PORT (CURRENCY)	UNIT C & F PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL PRICE OF COLTCSs GIVEN AT SL NO-A.4 OF COLUMN 17 INDIAN SEA PORT (CURRENCY)	TOTAL C & F PRICE (DULY PACKED) IN PERCENTAGE OF TOTAL PRICE OF COLTCSs GIVEN AT SL NO-A.4 OF COLUMN 17 INDIAN SEA PORT (CURRENCY)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A	COLTCS - MAIN SUPPLY															
A.1	TYPE I	SETS	2	7.4500000000%	Derived	14.900000%	Derived	% TO BE QUOTED	% TO BE QUOTED			Derived	7.4500000000%	Derived	14.900000%	Derived
A.2	TYPE II	SETS	4	8.2250000000%	Derived	32.900000%	Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	8.2250000000%	Derived	32.900000%	Derived
A.3	TYPE III	SETS	6	8.7000000000%	Derived	52.200000%	Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	8.7000000000%	Derived	52.200000%	Derived
A.4	TOTAL (A.1 TO A.3)					100.000000%	TO BE QUOTED = Rs X	Derived	Derived		Derived	Derived			100.000000%	TO BE QUOTED = M
		SERVICES AT SITE														
B	INSTALLATION CHECKS & COMMISSIONING OF COLTCS	SET	12	0.047675000%	Derived	0.57210%	Derived	% TO BE QUOTED				Derived	0.047675000%	Derived	0.57210%	Derived
C	TRIAL RUN & PG TESTING	SET	12	0.119191667%	Derived	1.43030%	Derived	% TO BE QUOTED				Derived	0.119191667%	Derived	1.43030%	Derived
		MANDATORY SPARES	EXPECTED QUANTITY OF SPARES AS PER ANNEXURE-III OF DATASHEET A OF SECTION ID													
D	MANDATORY SPARES (TYPE I)															
D.1	Mechanical Spares															
D.1.1	Sponge rubber balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	1 Lot	0.2080% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.2080% OF PRICE AT A.1, COL 6	Derived		Derived
D.1.2	Abrasive balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	1 Lot	0.2400% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.2400% OF PRICE AT A.1, COL 6	Derived		Derived
D.1.3	Worm gear assembly for Ball separator screen	Set	1 Set	3.36% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	3.36% OF PRICE AT A.1, COL 6	Derived		Derived
D.1.4	Ball separator screen	Set	1 Set	35% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	35% OF PRICE AT A.1, COL 6	Derived		Derived
D.1.5	Ball Circulating Pump (Complete)	Set	1 Set	8% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	8% OF PRICE AT A.1, COL 6	Derived		Derived
D.2	Electrical Spares															
D.2.1	415 V Motor															
D.2.1.1	Terminal plates	Nos. each for small motors upto 30 kW	1 Nos	0.16% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.16% OF PRICE AT A.1, COL 6	Derived		Derived
D.2.1.2	Heaters	set	1 Set	0.04% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.04% OF PRICE AT A.1, COL 6	Derived		Derived
D.2.1.3	Greasing arrangements	sets each type of motor	1 Set	0.02% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		Derived
D.2.1.4	Motor of each type and rating	10% qty installed of each COLTCS = 1 Lot	1 Lot	0.16 OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.16 OF PRICE AT A.1, COL 6	Derived		Derived
D.2.1.5	Bearings (DE and NDE) for each type and rating of motor		1 Set	0.19% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.19% OF PRICE AT A.1, COL 6	Derived		Derived
D.3	C&I Spares															
D.3.1	Each type of lamps, PBs, ILPBs, fuse, MCB, MCCB used in the equipment/system.	(20%) installed for each type in each COLTCS = 1 LOT	1 Lot	0.08% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.08% OF PRICE AT A.1, COL 6	Derived		Derived
D.3.2	Measuring Instruments - Indicators, Recorders, Electrical Metering and Skid Mounted Instruments															
D.3.2.1	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.	(10% of total number of instruments / transducers offered for each model and type for each COLTCS = 1 LOT)	1 Lot	0.02% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		Derived
D.3.2.2	Skid mounted instruments (if any)	(10% of total no. of instruments for each COLTCS= 1 Lot)	1 Lot	0.03% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.03% OF PRICE AT A.1, COL 6	Derived		Derived
D.3.2.3	Temperature, Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Temperature, Pressure, Flow & Level Switch, safety switches, Gauges, meters, Transducer or any other instrument etc.	(10% of total number of instruments / transducers offered for each model and type for each COLTCS= 1 Lot)	1 Lot	0.0800% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0800% OF PRICE AT A.1, COL 6	Derived		Derived
D.3.3	Hooters, Buzzers, Cooling fans of each type.	10 % percent of each type for each COLTCS = 1 Lot	1 Lot	0.02% OF PRICE AT A.1, COL 6	Derived		Derived	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		Derived

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INDIGENOUS VENDOR										FOREIGN VENDOR									
		sets of each type / model for each COLTCS		0.02% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6
D.3.4	Interface cables	10% of each type/model for Each COLTCS = 1 Lot	1 Lot	0.03% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.03% OF PRICE AT A.1, COL 6	Derived		0.03% OF PRICE AT A.1, COL 6	Derived		0.03% OF PRICE AT A.1, COL 6
D.3.5	Power supply modules (AC to DC Convertors)		1 Lot		Derived														
D.3.6	Relay based Control Panels																		
D.3.6.1	LEDs for indicating lights	10% of installed of each current rating for each COLTCS= 1 Lot	1 Lot	0.03% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.03% OF PRICE AT A.1, COL 6	Derived		0.03% OF PRICE AT A.1, COL 6	Derived		0.03% OF PRICE AT A.1, COL 6
D.3.6.2	Control circuit fuses	300% of installed of each current rating for each COLTCS= 1 Lot	1 Lot	0.02% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6
D.3.6.3	MCB/MCCB of each current rating	10% of installed of each current rating for each COLTCS= 1 Lot	1 Lot	0.02% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6	Derived		0.02% OF PRICE AT A.1, COL 6
D.3.6.4	Relays modules & contactors.	20% of installed of each current rating for each COLTCS= 1 Lot	1 Lot	0.08% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.08% OF PRICE AT A.1, COL 6	Derived		0.08% OF PRICE AT A.1, COL 6	Derived		0.08% OF PRICE AT A.1, COL 6
D.3.6.5	Cooling Fans of each type, model and rating.	20% of each type and rating for each COLTCS = 1 Lot	Lot1	0.0200% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6
D.3.6.6	Push buttons, ILPBs, Electric meter, Power supply modules.	10% of each type and rating for each COLTCS = 1 Lot	1 Lot	0.0200% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6
D.3.7	Alarm Annunciation System																		
D.3.7.1	Logic modules, group card modules, power supply modules, Hooters and any other electronic module.	(20% of qty Installed of each type for each COLTCS= 1 Lot)	1 Lot	0.400% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.400% OF PRICE AT A.1, COL 6	Derived		0.400% OF PRICE AT A.1, COL 6	Derived		0.400% OF PRICE AT A.1, COL 6
D.3.7.2	Un-engraved window boxes complete with LED etc.	(5% of qty Installed of each type for each COLTCS= 1 Lot)	1 Lot	0.0800% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6
D.3.7.3	LEDs for annunciation facia windows and LEDs box assemblies offered for the project	(20% qty Installed of each COLTCS= 1 Lot)	1 Lot	0.0200% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6	Derived		0.0200% OF PRICE AT A.1, COL 6
D.3.7.4	Annunciator hooter	Numbers = Nos.	1 Nos	0.0300% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0300% OF PRICE AT A.1, COL 6	Derived		0.0300% OF PRICE AT A.1, COL 6	Derived		0.0300% OF PRICE AT A.1, COL 6
D.3.8	Erection Hardware																		
D.3.8.1	Instrument valves, manifold for each type, rating, model number and size of devices supplied for the project	(10% of qty Installed of each type & size for each COLTCS= 1 Lot)	1 Lot	0.0800% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6
D.3.8.2	Condensate pots of each type & Size installed	(10% of qty Installed of each COLTCS= 1 Lot)	1 Lot	0.0800% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6
D.3.8.3	Fittings	(10% of qty Installed of each type & size for each COLTCS= 1 Lot)	1 Lot	0.0800% OF PRICE AT A.1, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6	Derived		0.0800% OF PRICE AT A.1, COL 6
E	MANDATORY SPARES (TYPE II)																		
E.1	Mechanical Spares																		
E.1.1	Sponge rubber balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	1 Lot	0.1884% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.1884% OF PRICE AT A.2, COL 6	Derived		0.1884% OF PRICE AT A.2, COL 6	Derived		0.1884% OF PRICE AT A.2, COL 6
E.1.2	Abrasive balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	1 Lot	0.2174% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.2174% OF PRICE AT A.2, COL 6	Derived		0.2174% OF PRICE AT A.2, COL 6	Derived		0.2174% OF PRICE AT A.2, COL 6
E.1.3	Worm gear assembly for Ball separator screen	Set	1 Set	3.04% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	3.04% OF PRICE AT A.2, COL 6	Derived		3.04% OF PRICE AT A.2, COL 6	Derived		3.04% OF PRICE AT A.2, COL 6
E.1.4	Ball separator screen	Set	1 Set	35.00% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	35.00% OF PRICE AT A.2, COL 6	Derived		35.00% OF PRICE AT A.2, COL 6	Derived		35.00% OF PRICE AT A.2, COL 6
E.1.5	Ball Circulating Pump (Complete)	Set	1 Set	7.25% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	7.25% OF PRICE AT A.2, COL 6	Derived		7.25% OF PRICE AT A.2, COL 6	Derived		7.25% OF PRICE AT A.2, COL 6
E.2	Electrical Spares																		
E.2.1	415 V Motor																		
E.2.1.1	Terminal plates	Nos. each for small motors upto 30 kW	10 Nos	0.14% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.14% OF PRICE AT A.2, COL 6	Derived		0.14% OF PRICE AT A.2, COL 6	Derived		0.14% OF PRICE AT A.2, COL 6
E.2.1.2	Heaters	set	2 Set	0.04% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.04% OF PRICE AT A.2, COL 6	Derived		0.04% OF PRICE AT A.2, COL 6	Derived		0.04% OF PRICE AT A.2, COL 6
E.2.1.3	Greasing arrangements	sets each type of motor	4 Set	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived		0.01% OF PRICE AT A.2, COL 6	Derived		0.01% OF PRICE AT A.2, COL 6
E.2.1.4	Motor of each type and rating	10% qty installed of each COLTCS = 1 Lot	1 Lot	0.14% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.14% OF PRICE AT A.2, COL 6	Derived		0.14% OF PRICE AT A.2, COL 6	Derived		0.14% OF PRICE AT A.2, COL 6
E.2.1.5	Bearings (DE and NDE) for each type and rating of motor		4 Set	0.17% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.17% OF PRICE AT A.2, COL 6	Derived		0.17% OF PRICE AT A.2, COL 6	Derived		0.17% OF PRICE AT A.2, COL 6
E.3	C&I Spares																		
E.3.1	Each type of lamps, PBs, ILPBs, fuse, MCB, MCCB used in the equipment/system.	(20% installed for each type in each COLTCS = 1 LOT)	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived		0.07% OF PRICE AT A.2, COL 6	Derived		0.07% OF PRICE AT A.2, COL 6
E.3.2	Measuring Instruments - Indicators, Recorders, Electrical Metering and Skid Mounted Instruments																		
E.3.2.1	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.	(10% of total number of Instruments / transducers offered for each model and type for each COLTCS = 1 LOT)	4 Lot	0.02% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.2, COL 6	Derived		0.02% OF PRICE AT A.2, COL 6	Derived		0.02% OF PRICE AT A.2, COL 6
E.3.2.2	Skid mounted instruments (if any)	(10% of total no. of instruments for each COLTCS = 1 Lot)	4 Lot	0.03% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.03% OF PRICE AT A.2, COL 6	Derived		0.03% OF PRICE AT A.2, COL 6	Derived		0.03% OF PRICE AT A.2, COL 6
E.3.2.3	Temperature, Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Temperature, Pressure, Flow & Level Switch, safety switches, Gauges, meters, Transducer or any other instrument etc.	(10% of total number of Instruments / transducers offered for each model and type for each COLTCS= 1 Lot)	4 Lot	0.72% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.72% OF PRICE AT A.2, COL 6	Derived		0.72% OF PRICE AT A.2, COL 6	Derived		0.72% OF PRICE AT A.2, COL 6
E.3.3	Hooters, Buzzers, Cooling fans of each type.	10 % percent of each type for each COLTCS = 1 Lot	4 Lot	0.02% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.02% OF PRICE AT A.2, COL 6	Derived		0.02% OF PRICE AT A.2, COL 6	Derived		0.02% OF PRICE AT A.2, COL 6
E.3.4	Interface cables	sets of each type / model for each COLTCS	4 Lot	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived		0.01% OF PRICE AT A.2, COL 6	Derived		0.01% OF PRICE AT A.2, COL 6
E.3.5	Power supply modules (AC to DC Convertors)	10% of each type/model for Each COLTCS = 1 Lot	4 Lot	0.03% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED		% TO BE QUOTED	Derived	0.03% OF PRICE AT A.2, COL 6	Derived		0.03% OF PRICE AT A.2, COL 6	Derived		0.03% OF PRICE AT A.2, COL 6
E.3.6	Relay based Control Panels																		

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INDIGENOUS VENDOR										FOREIGN VENDOR									
E.3.6.1	LEDs for indicating lights	10% of installed of each current rating for each COLTCS= 1 Lot	4 Lot	0.03% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.6.2	Control circuit fuses	300% of installed of each current rating for each COLTCS= 1 Lot	4 Lot	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.6.3	MCB/MCB of each current rating	10% of installed of each current rating for each COLTCS= 1 Lot	120 Lot	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.6.4	Relays modules & contactors.	20% of installed of each current rating for each COLTCS= 1 Lot	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.6.5	Cooling Fans of each type, model and rating.	20% of each type and rating for each COLTCS= 1 Lot	1 Lot	0.02% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.02% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.6.6	Push buttons, ILPBs, Electric meter, Power supply modules.	10% of each type and rating for each COLTCS= 1 Lot	1 Lot	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.7	Alarm Annunciation System																		
E.3.7.1	Logic modules, group card modules, power supply modules, Hooters and any other electronic module.	(20% of qty installed of each type for each COLTCS= 1 Lot)	4 Lot	0.36% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.36% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.7.2	Un-engraved window boxes complete with LED etc.	(5% of qty installed of each type for each COLTCS= 1 Lot)	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.7.3	LEDs for annunciation facia windows and LEDs box assemblies offered for the project	(20% qty installed of each COLTCS= 1 Lot)	4 Lot	0.01% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.7.4	Annunciator hooter	Numbers = Nos.	2 Nos	0.03% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.8	Erection Hardware																		
E.3.8.1	Instrument valves, manifold for each type, rating, model number and size of devices supplied for the project	(10% of qty installed of each type & size for each COLTCS= 1 Lot)	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.8.2	Condensate pots of each type & Size installed	(10% of qty installed of each COLTCS= 1 Lot)	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
E.3.8.3	Fittings	(10% of qty installed of each type & size for each COLTCS= 1 Lot)	4 Lot	0.07% OF PRICE AT A.2, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.2, COL 6	Derived						Derived	Derived
F	MANDATORY SPARES (TYPE III)																		
F.1	Mechanical Spares																		
F.1.1	Sponge rubber balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	50 Lot	0.1781% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.1781% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.1.2	Abrasive balls for condenser on-load tube cleaning system	1000 Nos balls = 1 Lot	20 Lot	0.2055% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.2055% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.1.3	Worm gear assembly for Ball separator screen	Set	1 Set	2.88% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	2.88% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.1.4	Ball separator screen	Set	1 Set	35.00% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	35.00% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.1.5	Ball Circulating Pump (Complete)	Set	1 Set	6.85% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	6.85% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2	Electrical Spares																		
F.2.1	415 V Motor	Nos. each for small motors upto 30 kW	10 Nos	0.14% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.14% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2.1.1	Terminal plates	set	2 Set	0.03% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2.1.2	Heaters	sets each type of motor	4 Set	0.01% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2.1.3	Greasing arrangements	10% qty installed of each COLTCS = 1 Lot	2 Lot	0.14% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.14% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2.1.4	Motor of each type and rating		4 Set	0.16% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.16% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.2.1.5	Bearings (DE and NDE) for each type and rating of motor																		
F.3	C&I Spares																		
F.3.1	Each type of lamps, PBs, ILPBs, fuse, MCB, MCCB used in the equipment/system.	(20% installed for each type in each COLTCS= 1 LOT)	6 Lot	0.07% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.2	Measuring Instruments - Indicators, Recorders, Electrical Metering and Skid Mounted Instruments																		
F.3.2.1	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.	(10% of total number of Instruments / transducers offered for each model and type for each COLTCS = 1 LOT)	6 Lot	0.02% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.02% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.2.2	Skid mounted instruments (if any)	(10% of total no. of instruments for each COLTCS= 1 Lot)	6 Lot	0.03% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.2.3	Temperature, Transmitters and Electronic Transmitters (for Pressure, DP, Temp, Flow, Level), Temperature, Pressure, Flow & Level Switch, safety switches, Gauges, meters, Transducer or any other instrument etc.	(10% of total number of Instruments / transducers offered for each model and type for each COLTCS= 1 Lot)	6 Lot	0.68% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.68% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.3	Hooters, Buzzers, Cooling fans of each type.	10 % percent of each type for each COLTCS = 1 Lot	1 Lot	0.02% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.02% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.4	Interface cables	sets of each type / model for each COLTCS	1 Lot	0.01% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.5	Power supply modules (AC to DC Convertors)	10% of each type/model for Each COLTCS = 1 Lot	1 Lot	0.03% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.6	Relay based Control Panels																		
F.3.6.1	LEDs for indicating lights	10% of installed of each current rating for each COLTCS= 1 Lot	42 Lot	0.03% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.3, COL 6	Derived						Derived	Derived
F.3.6.2	Control circuit fuses	300% of installed of each current rating for each COLTCS= 1 Lot	6 Lot	0.01% OF PRICE AT A.3, COL 6	Derived	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived						Derived	Derived

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INDIGENOUS VENDOR					FOREIGN VENDOR				
F.3.6.3	MCB/MCCB of each current rating	10% of installed of each current rating for each COLTCS= 1 Lot	64 Lot	Derived	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.6.4	Relays modules & contactors.	20% of installed of each current rating for each COLTCS= 1 Lot	6 Lot	Derived	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.6.5	Cooling Fans of each type, model and rating.	20% of each type and rating for each COLTCS= 1 Lot	4 Lot	Derived	% TO BE QUOTED	Derived	0.02% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.6.6	Push buttons, ILPBs, Electric meter, Power supply modules.	10% of each type and rating for each COLTCS= 1 Lot	4 Lot	Derived	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.7	Alarm Annunciation System								
F.3.7.1	Logic modules, group card modules, power supply modules, Hooters and any other electronic module.	(20% of qty installed of each type for each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.34% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.7.2	Un-engraved window boxes complete with LED etc.	(5% of qty installed of each type for each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.7.3	LEDs for annunciation facia windows and LEDs box assemblies offered for the project	(20% qty Installed of each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.01% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.7.4	Annunciator hooter	Numbers = Nos.	3 Nos	Derived	% TO BE QUOTED	Derived	0.03% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.8	Erection Hardware								
F.3.8.1	Instrument valves, manifold for each type, rating, model number and size of devices supplied for the project	(10% of qty Installed of each type & size for each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.8.2	Condensate pots of each type & Size installed	(10% of qty installed of each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived	Derived
F.3.8.3	Fittings	(10% of qty Installed of each type & size for each COLTCS= 1 Lot)	6 Lot	Derived	% TO BE QUOTED	Derived	0.07% OF PRICE AT A.3, COL 6	Derived	Derived
G	TOTAL (D.1 TO F.3.8.3)			Derived	Derived	Derived			Derived
H	GRAND TOTAL (A.4+B+C+G)			Derived	Derived	Derived			Derived = N
I (A)	CHARGES PER VISIT			DERIVED FOR EACH COLTCS TYPE AS PER DERIVED PRICE FOR INSTALLATION CHECK, COMMISSIONING & PG TEST AND NOTES 10 BELOW					DERIVED FOR EACH COLTCS TYPE AS PER DERIVED PRICE FOR INSTALLATION CHECK, COMMISSIONING & PG TEST AND NOTES 10 BELOW
I (B)	MANDAYS CHARGES PER COLTCS			DERIVED FOR EACH COLTCS TYPE AS PER DERIVED PRICE FOR INSTALLATION CHECK, COMMISSIONING & PG TEST AND NOTES 10 BELOW					DERIVED FOR EACH COLTCS TYPE AS PER DERIVED PRICE FOR INSTALLATION CHECK, COMMISSIONING & PG TEST AND NOTES 10 BELOW

Note:-

- Bidder to quote grand total Ex works/total C&F value of the COLTCSs mentioned at A.4 (Rs X for Indigenous bidders/ M for foreign bidder) only as per the BOQ above. The item wise break up of Ex works prices (unit as well as total) for all the items in the BOQ shall be derived as per the formulae indicated above by BHEL. Indigenous bidder also need to indicate taxes percentage in the respective column and freight percentage of Ex works value considering delivery anywhere in India in the freight column.
- Rate contract shall be decided on the basis of evaluation criteria mentioned in NIT
- Value is to be filled only where "to be quoted" is mentioned and for other columns where "derived" is mentioned same shall be derived by BHEL as per % allocation fixed against each item
- Bidder to note that total price indicated above at H should be complete in all respect for the full scope defined and considering all terms and conditions agreed.
- The unit price quoted by bidder shall be binding for quantity variation which is at discretion of purchaser.
- Prices shall remain firm during contract execution.
- For any clarification please refer Technical Specification No-PE-TS-RC-165-N002

8. Indigenous vendors having CIF are required to indicate CIF @ ___% of their total ex-works supply value and ___% Benefit carryforward on ex-works value in lieu of availing CIF.

9. Bidder shall furnish this price Schedule indicating "Quoted/Not-Quoted" along with technical offer and actual prices in his price offer.
10. ONE SITE VISITS OF THREE (3) DAYS EACH HAS BEEN CONSIDERED FOR INSTALLATION CHECK, COMMISSIONING AND TRIAL RUN FOR ONE (1) NO COLTCS. THE PRICES SHALL BE INCLUSIVE OF CHARGES OF TRAVELLING, BOARDING/LODGING, MEDICAL, INSURANCE ETC. ONE SITE VISITS OF TWENTY (20) DAYS EACH HAS BEEN CONSIDERED FOR PG TESTING FOR ONE (1) NOS COLTCS. THE PRICES SHALL BE INCLUSIVE OF CHARGES OF TRAVELLING, BOARDING/LODGING, MEDICAL, INSURANCE ETC.

11. IN CASE OF NON-COMPLETION OF INSTALLATION CHECK, COMMISSIONING, TRIAL RUN AND PG TESTING IN SITE VISITS STIPULATED AT NOTE NO. 10 ABOVE, FOR ANY REASONS NOT ATTRIBUTABLE TO VENDOR (TO BE CERTIFIED BY BHEL SITE), VENDOR SHALL COMPLETE ABOVE ACTIVITIES IN SUBSEQUENT SITE VISITS FOR WHICH COST SHALL BE BORNE BY BHEL ON PRO-RATA BASIS ON PRICE OF SITE VISIT AT SL NO. I (A) AND I (B) ABOVE.

12. AMOUNT PAYABLE PER EXTRA SITE VISIT = VISIT CHARGES AS PER SL. NO. I.(A) ABOVE (+) MANDAYS CHARGES AS PER SL. NO. I.(B) ABOVE (X) NO. OF DAYS AT SITE (TO BE CERTIFIED BY BHEL SITE)

13. PRICES OF ALL ACCESSORIES, COMMISSIONING & ERECTION SPARES, SPECIAL TOOLS & TACKLES AND OTHER ACCESSORIES NOT LISTED ABOVE SHALL BE INCLUDED IN THE PRICE OF COLTCS & SHALL BE SUPPLIED WITH THE COLTCS.

14. BIDDER SHALL FURNISH THIS PRICE SCHEDULE INDICATING "QUOTED/NOT-QUOTED" ALONG WITH TECHNICAL OFFER AND ACTUAL PRICES IN HIS PRICE OFFER.


सुधीत साहा / SUBHJIT SAHAY
 सचिव अभियन्ता (सी.जी.-2)/Sr. Engineer (PG-1-2)
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 पावर सेक्टर - पावरग्रिड्स इन्फ्रस्ट्रक्चर मंत्रालय
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