

REQUEST FOR QUOTATION

	BHARAT HEAVY ELECTRICALS LIMITED Electronics Division PB No. 2606, Mysore Road Bangalore - 560026 INDIA	RFQ NUMBER: TGPBOS0044 RFQ DATE : 16.10.2019	Due Date/Day: 30.10.2019 WED Time : 13:00 HRS
MMI:PU:RF:003			
(address for communication) :		(for all correspondence) Purchase Executive : TG Pragadeesh Phone : 080 26998377 Fax : E-mail: pragadeeshtg@bhel.in	

SI No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	PS0679082034 Supply of MC4 connectors, cable ties etc * HSN/SAC : 8504 Test Certificate Supply of MC4 connectors, cable ties, HDPE conduits, cable lugs, hardware etc	1	ST	1	31.12.2019
2	PS0679082042 Supply of LT control / instrumentation * HSN/SAC : 8504 Test Certificate Supply of LT control / instrumentation cables with cable installation accessories, hardware, termination kits etc	1	ST	1	31.12.2019
3	PS0679082050 Supply of UPS panels, FCBC, ACDB, UPS DB * HSN/SAC : 8504 Test Certificate Supply of UPS panels, FCBC, ACDB, UPS DB Batteries etc with all related accessories and hardware	1	ST	1	31.12.2019
4	PS0679082069 Supply of electrical utility items * HSN/SAC : 8504 Test Certificate Supply of electrical utility items such as LED luminaires, fans, exhaust fan etc for Inverter station, PEB rom, security room, pooling yard, transformer yard, watch tower etc	1	ST	1	31.12.2019
5	PS0679082077 Supply of 33kV interconnection yard equi * HSN/SAC : 8504 Test Certificate Supply of 33kV interconnection yard equipments such as surge arrestors, GOS isolators, structures etc.	1	ST	1	31.12.2019
6	PS0679082085 Supply of items of earthing system * HSN/SAC : 8504 Test Certificate	1	ST	1	31.12.2019

TWO PART BID

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	Supply of items of earthing system for solar array field, inverter/CMCS room panels, transformer yard / metering yard equipment etc including earthing electrodes, Copper flats, earthing cables, GI wires, MS rods (earth mat), earth chamber lids and all related miscellaneous hardware etc				
7	PS0679082093 Supply of lightning arrestors * HSN/SAC : 8504 Test Certificate Supply of lightning arrestors along with poles/masts, down conductors, all related accessories and hardware for the complete solar power plant	1	ST	1	31.12.2019
8	PS0679082107 Supply of items for plant lighting * HSN/SAC : 8504 Test Certificate Supply of items for plant lighting system such as electric poles, bend pipes, luminaires/lamps, ballasts, junction boxes, cable conduits, fittings/clamps, other related accessories and hardware etc	1	ST	1	31.12.2019
9	PS0679082115 Supply of miscellaneous items * HSN/SAC : 8504 Test Certificate Supply of miscellaneous items such as SMB mounting structures, ABT meters, metering panel metering panels, weather monitoring system, LED display for SCADA system, cable route markers, cable tags	1	ST	1	31.12.2019

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	danger boards, hoarding boards, sign boards, display boards, electrical insulation mat, checkered plates, air conditioners, tool kits, measuring instruments, SCADA office furniture etc				
10	PS0679082123 Supply of CCTV System * HSN/SAC : 8504 Test Certificate Supply of CCTV System	1	ST	1	31.12.2019
11	PS0679082131 Supply of safety related items * HSN/SAC : 8504 Test Certificate Supply of safety related items including fire alarm systems for inverter station /CMCS rooms, fire extinguishers, safety gadgets etc	1	ST	1	31.12.2019
12	PS0679082140 Supply of spare items * HSN/SAC : 8504 Test Certificate Supply of spare items	1	ST	1	31.12.2019
13	PS0679082166 I&C: Electrical works in Inverter station * HSN/SAC : 7308 I&C: Electrical works in Inverter station, PEB rom, security room, pooling yard, transformer yard, watch tower etc	1	AU	1	09.01.2020
14	PS0679082174 I&C: Interconnection of SPV modules, * HSN/SAC : 7308 I&C: Interconnection of SPV modules, erection of SMB mounting structures, installation of string monitoring boxes including power cable terminations etc.	1	AU	1	09.01.2020

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15	PS0679082182 I&C: Underground cable trenches & layin * HSN/SAC : 7308 I&C: Underground cable trenches & laying of cables for LT AC/DC power cables, HT (33kV) cables, data communication / control / SCADA / OFC cables etc.	1	AU	1	09.01.2020
16	PS0679082190 I&C: Erection of indoor / outdoor elect * HSN/SAC : 7308 I&C: Erection of indoor / outdoor electrical panels (PCU containers, VCB breaker panels, ACDB/DCDB panels, UPS panels etc) at the inverter station laying & fixing of cable trays, routing and terminations of DC/AC cables (HT, LT, data / control) at the electrical panels up to LV side of inverter/auxiliary transformers, laying of earth grids (external underground / internal within the rooms), earthing connections etc.	1	AU	1	09.01.2020
17	PS0679082204 I&C: Erection of indoor outdoor electric * HSN/SAC : 7308 I&C: Erection of indoor outdoor electrical panels (VCB breaker panels, ACDB/DCDB panels, UPS panels etc) in the main CMCS control room, 33KV pooling yard laying & fixing of cable trays, routing and	1	AU	1	09.01.2020

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	terminations of DC/AC cables (HT, LT, data/control) at the electrical panels up to LV side of inverter/auxiliary transformers, laying of earth grids (external underground / internal within the rooms), earthing connections etc				
18	PS0679082212 I&C: Erection of 33kV transformer yards * HSN/SAC : 7308 I&C: Erection of 33kV transformer yards (attached to the 10 inverter stations) with necessary land leveling within the yards, laying of underground earth mat grid, erection of inverter transformers, underground cable trenches, routing and terminations of 33kV/LT/ data/ control cables at inverter transformers etc	1	AU	1	09.01.2020
19	PS0679082220 I&C: Erection of 33kV interconnection y * HSN/SAC : 7308 I&C: Erection of 33kV interconnection yard (evacuation point near plant boundary) including foundation/erection of pole structures, installation of yard equipments viz LA/ GOS isolator/ cable support structure etc, cable trenches, laying of 33kV/ LT / data / control / SCADA cables between metering yard and control room panels, laying of earthing electrodes / earthing strips for the yard equipments, earthing connections etc	1	AU	1	09.01.2020

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20	PS0679082239 I&C: Installation works of Weather monit * HSN/SAC : 7308 I&C: Installation works of Weather monitoring station and SCADA system # laying and terminations of OFC/ instrumentation/ data cables etc at SCADA panels of inverter station and CMCS room a	1	AU	1	09.01.2020
21	PS0679082247 I&C: Earthing system for solar array fie * HSN/SAC : 7308 I&C: Earthing system for solar array field including laying of underground earth mat grids and interconnection to the module mounting structures, I&C of lightning protection system (lightning arrestors) with earthing provisions as per clause 5.28, 5.30.	1	AU	1	09.01.2020
22	PS0679082255 I&C of lighting system for illumination * HSN/SAC : 7308 I&C of lighting system for illumination of the complete power plant including cable terminations at the yard lighting poles as well as ACDB panels of inverter station / main control room etc as.	1	AU	1	09.01.2020
23	PS0679082263 I&C: CCTV System * HSN/SAC : 7308 I&C: CCTV System	1	AU	1	09.01.2020
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24	PS0679082271 I&C of miscellaneous and safety items * HSN/SAC : 7308 I&C of miscellaneous and safety items such as ABT metering panel, cable tags, danger boards, cable markers, hoarding board, sign boards, display boards, electrical insulation mat, checkered plates, air conditioners, SCADA office furniture, fire extinguishers, fire alarm system, fire-fighting system, LED display for SCADA system, landscaping works for the power plant, grouting of electrical panels in inverter station/CMCS rooms etc	1	AU	1	
25	PS0679082280 I&C: Pre-commissioning inspections / che * HSN/SAC : 7308 I&C: Pre-commissioning inspections / checks / tests, MRT tests and coordination with state / central departments / CEA/ CEIG etc for necessary approvals / clearances for commissioning, synchronization with grid and post-commissioning operation of the plant	1	AU	1	09.01.2020
26	PS0679082298 Operations and Maintenance per month * HSN/SAC : 7308 Operations and Maintenance per month	12	AU	12	09.01.2020

Total Number of Items - 26

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