

HLL LIFECARE LIMITED
As Consultant to
MINISTRY OF HEALTH & FAMILY WELFARE
GOVERNMENT OF INDIA, NEW DELHI
PRADHAN MANTRI SWASTHYA SURAKSHA YOJNA- Ph II

TENDER
FOR
SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF
ELECTRICAL WORKS FOR MGPS (PENDANT) & RELATED WIRING
WORKS AT SUPER SPECIALITY HOSPITAL AT GOVT. RAJAJI MEDICAL
COLLEGE, MADURAI UNDER PMSSY PH II

PART-III
PRICE BID

Tender No. HLL/IDS/18/74 Dated: - 21.12.2018

 **HLL Lifecare Limited**
(A Government of India Enterprise)
एचएलएल लाइफ़केयर लिमिटेड
(भारत सरकार का उद्यम)
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1 COMMERCIAL CONDITIONS

1.0.1 The tendered rate shall inter alia be deemed to include for the provision of all materials, process, operation and special requirements detailed in the particular specification irrespective of whether these are mentioned in the description of equipment schedule and Bill of quantities or not. It is an express condition of the contract that the tendered rates for various items in the Bill of Quantities shall be deemed to include for the full, entire and final condition of the contractor respective items of the works in accordance with the provision of the contract.

1.0.2 The tendered rate shall include for all taxes, duties, etc. as applicable and shall be quoted on the works contract basis for **SITC of Electrical wiring for MGPS (Pendant) and related wiring works at Super Speciality hospital at Govt. Rajaji Medical College, Madurai under PMSSY Ph II.**

1.0.3 The tendered rate shall remain firm and free from variation due to rise in the cost of materials/ equipment, labour or any other reasons whatsoever during the contract period and valid extension on the case may be.

1.0.4 The quantum of excise duty included in the tendered price, the rate at which they were assumed etc. shall be indicated in the tender.

1.1 UNIT RATES

1.11 Only approved work will be measured on completion and priced as per rates quoted against the respective items.

1.2 BRIEF DESCRIPTION OF PRICING

1.2.1. Unforeseen difficulties for which provision has not been made in the tender will in no way relieve the successful tenderer from the full execution of the work.

1.2.2 The price quoted shall be the final amount for this finished work.

1.3 INCOME TAX

Any payment to the contractor as per contract, will be made after deducting income tax as per the rules and regulations.

1.4 SALES TAX AND EXCISE DUTY

The tenderer shall include all applicable taxes and duties in their quoted rates. The bid which mention that applicable taxes and duties extra shall be summarily rejected.

1.6. SUBMISSION OF BILL

- 1.6.1. The contractor shall from time to time prepare and submit interim bills of the work executed and on completion of the contract, he shall prepare and submit the final bill. The measurements sheets in support of the interim and final bills shall be prepared by the contractor on the basis of measurements taken by him jointly with the project engineer and the said measurement sheets shall be submitted by him with the relevant bill.

1.7. EXTRA ITEMS

The contractor is bound to carry out any items of work necessary for the completion of the job even though such items may not have been included in the schedule of probable quantities or rates, such items being necessary or essential for completing the job. Variation order in respect of such additional items and their quantities will be issued in writing by the employer.

- 1.7.1 All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of work and on completion including that of the sub-contractors and special tradesman and all materials condemned by the project engineer shall be cleared and removed from the site by the contractor without any extra charge.
- 1.7.2 All measuring steel taps, scaffolding, ladders instruments and tools that may be required for taking measurements shall be supplied by the contractor.

1.8. OVER TIME WORK

If the contractor is required to work night or on holidays in order to maintain the time schedule he shall take prior approval from the Engineer-in-charge. He should also provide and maintain at his own cost sufficient lights as may be necessary to enable the work to proceed satisfactorily during the night.

- 1.8.1. The contractor shall give full facilities to all other contractors working on site. He shall also arrange his programme of work so as not hinder the progress of other trades. The decision of the Engineer-in-charge on any point of dispute between the various parties shall be final and binding.
- 1.8.2. It is specifically pointed out that the contractor shall not be entitled to any compensation whatsoever on account of delay in procurement or supply of controlled materials and the rates quoted in the contract are fixed till the completion of the contract.
- 1.8.3. The contractor shall co-operate with other agencies appointed by the owners for the work to proceed smoothly with the least possible delay and to the satisfaction of the owners and the consultants.
- 1.8.4. The owners shall provide a source for power supply at one convenient point at site. The contractor shall at his own cost install a separate meter at the said source and lay additional cables from the said source also at his own cost. For the electricity consumed by the contractor he shall pay the owner the actual cost at the rate charged by the local authority for power for constructional purposes. The contractor shall also obtain the necessary permit for utilizing power for constructional purposes.

2 SPECIAL CONDITIONS

2.1 EXECUTION WORK

- 2.1.1. The whole of the work as described in the contract (including bills of materials, specification and all drawings pertaining thereto) and as advised by the Engineer-in-charge from time is to be carried out and completed in all parts to the entire satisfaction of the Employer. Any minor details of construction which are obviously and fairly intended, or which may not have been definitely referred to in this contract, but which are usual construction practice and essential to the work, shall be included in this contract.

2.2. CERTIFICATE OF COMPLETION

- 2.2.1 The contractor shall intimate to the Engineer-in-charge in writing as and when the works are completed and put into beneficial use in order to enable the consultants to check certify to the owners to take over the work.
- 2.2.2 The work shall not be considered as completed and put into beneficial use until the EIC have certified in writing that the same has been completed and put into beneficial use.
- 2.2.3 The defects liability period of one year shall commence from date of such completion or any specific date mentioned therein.

BILL OF QUANTITIES

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|-----|--|-----|------|----------------------------------|--------------|
| 1 | MR | Supplying and fixing of following ways surface/ recess mounting, vertical type, 415V, TPN MCCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.) | | | | |
| a | | 4 way (4 + 12), Double door | 1 | Nos | | |
| b | | 8 way (4 + 12), Double door | 1 | Nos | | |
| 2 | 2.2 | Providing and fixing following rating rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. | | | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|-------|---|-----|------|----------------------------------|--------------|
| a | 2.2.1 | 100A, 16kA | 2 | Nos | | |
| 3 | MR | Supplying and fixing of following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |
| a | | 63A TP | 12 | Nos | | |
| 4 | MR | Supply of the following size 1.1kV grade XLPE insulated PVC sheathed, armoured Aluminium conductor power cable confirming to IS 7098 (part 1) ammended upto date. | | | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|--|-----|------|----------------------------------|--------------|
| a | | 3.5 C x 35 sq.mm | 100 | Mtrs | | |
| 5 | 9.1 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed I XLPE aluminium conductor cable of 1.1 kV grade as required. | | | | |
| a | 9.1.21 | 3.5 X 35 sq. mm (32mm) | 4 | Nos | | |
| 6 | MR | Supplying and fixing following way TP&N Phase Segregation (7 segment) IP42,MCB distribution board of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator) | | | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|-----|---|-----|------|----------------------------------|--------------|
| a | | 4 way , Double door | 9 | Nos | | |
| b | | 6 way , Double door | 1 | Nos | | |
| c | | 8 way , Double door | 2 | Nos | | |
| 7 | MR | Supplying and fixing Cable End Box (Loose Wire Box) (IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required. (Suitable for SL.NO no 6) | | | | |
| a | | For 4 way, Double door TPN MCB DB | 9 | Nos | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|---|-----|------|----------------------------------|--------------|
| b | | For 6 way, Double door TPN MCB DB | 1 | Nos | | |
| c | | For 8 way, Double door TPN MCB DB | 2 | Nos | | |
| 8 | 1.20 | Supplying and fixing of following sizes of steel conduit along with the accessories in surface/ recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. | | | | |
| a | 1.20.4 | 40 mm | 60 | Mtrs | | |
| b | 1.20.5 | 50 mm | 40 | Mtrs | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|-----|---|-----|------|----------------------------------|--------------|
| 9 | MR | Supplying and fixing of following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |
| a | | 40A TPN C curve MCB | 10 | Nos | | |
| b | | 63A TPN C curve MCB | 2 | Nos | | |
| 10 | MR | Supplying and fixing of following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|--|-----|------|----------------------------------|--------------|
| a | | 40 A DP | 6 | Nos | | |
| 11 | 2.10 | Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. | | | | |
| a | 2.10.1 | Single Pole | 174 | Nos | | |
| b | 2.10.3 | Double pole | 30 | Nos | | |
| 12 | 2.11 | Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required. | 128 | Nos | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|-------|---|-----|------|----------------------------------|--------------|
| 13 | MR | Supply of the following size 1.1kV grade XLPE insulated PVC sheathed, armoured Aluminium conductor power cable confirming to IS 7098 (part 1) ammended upto date. | | | | |
| a | | 3.5 C x 25 sq.mm | 760 | Mtrs | | |
| 14 | 7.8 | Laying and fixing of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 kV grade of following size on cable tray as required. | | | | |
| a | 7.8.1 | Upto 35 sq. mm (clamped with 1mm thick saddle) | 700 | Mtrs | | |
| 15 | 7.7 | Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. | | | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|--|-----|------|----------------------------------|--------------|
| | 7.7.1 | Upto 35 sq. mm | 160 | | | |
| 16 | 9.1 | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed I XLPE aluminium conductor cable of 1.1 kV grade as required. | | | | |
| a | 9.1.20 | 3.5X 25 sq. mm (28mm) | 24 | Nos | | |
| 17 | 5.16 | Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required. | 300 | Mtrs | | |
| 18 | 1.10 | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface I recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. | 180 | Mtrs | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|---|-------|------|----------------------------------|--------------|
| 19 | 1.31 | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. | 120 | Nos | | |
| 20 | 1.32 | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 16&6 A modular socket outlet and 16 A modular switch, connections etc. as required. | 50 | Nos | | |
| 21 | 1.14 | Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. | | | | |
| a | 1.14.1 | 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire | 1800 | Mtrs | | |
| b | 1.14.3 | 2 X 4 sq. mm + 1 X 4 sq. mm earth wire | 10200 | Mtrs | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|--------|--|-----|------|----------------------------------|--------------|
| 22 | 1.27 | Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. | | | | |
| b | 1.27.2 | 3 Module (100mmX75mm) | 80 | Nos | | |
| 23 | 1.26 | Supply and fixing modular blanking plate on the existing modular plate & switch excluding modular plate as required | 80 | Nos | | |
| 24 | 1.25 | Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. | 60 | Nos | | |
| 25 | MR | Supply of ceiling fan 1200mm sweep, 230v, 1ph, complete with double ball bearing, motors blades, down rods, canopy, capacitor etc complete as required (crompton, bajaj, khaithan, usha) | 60 | Nos | | |

| Sl. No. | DSR | Description | Qty | Unit | Rate (Rs. In words & in figures) | Amount (Rs.) |
|---------|------|--|-----|------|----------------------------------|--------------|
| 26 | 1.44 | Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 em) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required. | 60 | Nos | | |
| 27 | MR | Supplying and fixing extra conduit down rod of G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. | 80 | MTR | | |
| 28 | MR | SITC of decorative wall fan 400 mm sweep, 230v,1PH, complete with openable mesh cover, string operated etc. as required (crompton, bajaj, khaithan, usha) | 120 | Nos | | |
| 29 | MR | SITC of bollard luminaire light fitting 1 x 8 W LED (For compound wall) | 4 | Nos | | |
| | | TOTAL | | | | |