



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM::HYDERABAD::32
FACTORY CIVIL ENGINEERING DEPARTMENT

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-23/17-18, Dt: 29.03.2018

PRICE BID

Item no.: 1

Name of work:- Repair & Modification of false ceiling at EM purchase section, insulation room (02 block) and telephone exchange building (MDF area).

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
	PART-A : Repair & Modification of false ceiling at EM purchase section, 4th floor, Admn building				
	Civil works				
1	Dismantling wooden boardings/ACP panesl in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead.(Thickness above 10 mm upto 25 mm)	18.00	One Sq. m	17.15	308.70
2	Supply & fixing of Aluminium Composite Panel (ACP), 3 mm thick in required colours for interiors, consisting of two layers of aluminium skins of 0.15 mm thick sandwitching a thermo plastic core in continuous lamination process with PVDF Resin coating for interior grades ensuring long colour and no fungal attacks. Base framework with aluminium sections of size 50 mm x 25 mm x 2 mm shall be fixed over the brick work and the above composite panels shall be fixed to the framework as cladding. There shall not be any colour variation in panels. It includes cost of labour, materials, accessories, adhesives, scaffolding, wastages, transport, taxes, fixing into a neat finish in aesthetic point of view, without any undulations in facias. Any undulations in walls shall be maintained into one level and the required packing material shall be provided to maintain the neat finish. Payment will be made for finished work only.	18.00	Sq.m	3,222.86	58,011.43
3	Repairs to the existing Armstrong false ceiling including dismantling and removal of damaged 'T' angles, wall angles, intermediate channels, and refixing the false ceiling with new wall/Tee/intermediate angles and channels in place of damaged sections including dismantling of existing false ceiling and providing the false ceiling in new locations. It also includes anchoring the ceiling grid with GI wire to the ceiling with rawl plugs, hooks, levelling and fixing of boards etc complete as directed by Engineer-in-charge.	20.00	One Sq. m	225.37	4,507.43
4	Supply & fixing of Armstrong mineral fibre false ceiling boards of following models. a) Prima Dune Plus Tegular edge 600 x 600 mm	80.00	One Sq. m	701.37	56,109.71

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
5	Supply & fixing of Rollar blinds including channels, fabric etc. complete and the basic cost of the blinds shall be in the range of Rs. 125/- per S Ft. The colour and design of the blinds will be selected by department within the above specified cost.	13.00	Sq.m	1,352.26	17,579.34
	ELECTRICAL WORKS				
1	Supply & Installation of lighting fixtures with lamps as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant, complete in all respects. Supply & fixing of energy efficient light fitting of Philips FBS 450/236 D6 HF wing -C- LX recess mounted direct, indirect light efficiency.	12.00	Each	4,632.86	55,594.29
2	WIRING Supply & Installation of surface/concealed point wiring FRLS using 600v grade 1.5 SQ.MM copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through 1.2mm thick PVC conduits laid concealed over false ceiling or in wall chases including 1.0 SQ.MM green color copper earth wire and provision of grid plate type switches as approved by architect, complete in all respects. Primary light points of 5A switch. (Switch shall be of ROMA /Cabtree Type). Wire Make: Finolex/L&T	12.00	Each	973.12	11,677.49
	Total of part-A			Rs.	2,03,788.39
	Part-B-Replacement of false ceiling and providing lighting arrangements in insulation room (02 block)				
	CIVIL WORKS				
1	Dismantling aluminium / Gypsum partitions doors windows fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50mtr lead as directed by engineer in charge	410.00	One Sq. m	15.90	6,519.00

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
2	Providing and fixing in true horizontal level 600 mm x 600 mm false ceiling system manufactured by M/s. Armstrong World Industries using DUNE SUPREME RH 99 MICROLOOK EDGE WITH SILHOUETTE GRID, using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire, and laying Dune Supreme Microlook Edge ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.50, Light reflectance of >85% (WT), thermal conductivity k = 0.052-0.057 W/m0K, Humidity Resistance of 99% (having LIFETIME GUARANTEE against SAG), having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint - crisp finely granulated with microperforations, back of the tile duly sanded with a coat of protective paint over the formed grid and complete in all respect ,Boards where light fixtures to be fixed shall be handed over to Department. M/s- Armstrong etc complete all as directed by Engineer-in-charge.	410.00	One Sq. m	1,098.06	4,50,204.60
	ELECTRICAL WORKS				
1	Supply, Assembly, Erection, Testing & Commissioning of Recess Mounted LED Luminaire suitable for 600x600 Armstrong ceiling mounting system. The job includes supply of 1.5sq.mm copper wire for connection. Make: Havells, Model: LHEWBPP7PW1W042 (or) Phillips, Model: RC365B LED33-5000 PSU OD WH	78.00	Nos	2,777.98	2,16,682.44
2	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting and fans with Roma Type code : 21011 of Anchor or North West make . Fixed on a suitable modular type concealed box which is also to be supplied along with suitable top cover. Testing & commissioning.	69.00	Nos	215.26	14,852.94
3	Supply and fixing of 3pin, 250 V. 10 Amps power socket cum switch with indication Roma type code 21113 and 21033 of Anchor make or North West. Fixed on suitable modular type concealed box top cover. Testing & commissioning.	10.00	Nos	394.49	3,944.90

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
4	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ Havells/ L&T. In PVC pipe of suitable dia (As per IS for wiring points) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Each light / fan point should be connected to three plate ceiling rose code 30090 of Roma modular type of Anchor or North West make / connector suspended duly with couduit / PVC pipe etc. Each circuit should not have more than 7 points 700 watts.	69.00	Nos	898.46	61,993.74
5	Supply and Installation of MCB DB with TPN 415V, 12way (for lighting & Power circuits) consisting of 10 to 20A -- 12nos MCBs on each phase with double door metallic cover having transparent window, sheet enclosed, dust & vermin proof. Ref No: 8GB0412HRC of SIEMENS/HAGER/LEGRAND make along with controlling 100A I/C MCB. It is to be concealed in the wall or as per the site engineer's instructions. The job includes labelling / writing the connection chart inside the door with WHITE duco paint as required, double earthing, testing & commissioning.	1.00	Nos	14,068.96	14,068.96
6	Shifting & Earthing of Equipment from nearest Earth riser with 50x6mm/ 25x3mm GI flat. Work includes supply and apply of Aluminium paint at each welding points.	70.00	Mts	22.12	1,548.40
7	Shifting and laying of the following LT aluminium armoured PVC power cables. The job includes Dressing, Clamping etc.				
	a)31/2 C x 50sq.mm Aluminium	120.00	Mts	13.04	1,564.90
8	Termination of the following power cables including supply of cable glands & lugs(Aluminium/Copper).				
	a)31/2 C x 50sq.mm Aluminium	2.00	Nos	289.01	578.02
9	Dismantling of the existing wiring and MCBDB. The job includes removal of concealed wiring and pipes by chipping the wall, dismantling MCBDB and shifting to scrap yard or as per the instructions of site engineer	1.00	Nos	4,819.68	4,819.68
10	Dismantling of existing 2X36W tube lights and refixing them on the wall or as per the instructions of the site engineer. The job includes removal of wires, downrods and supply of clamps, wooden blocks, anchor bolts or relevant tools/fixtures for fixing on the wall	20.00	Nos	221.15	4,423.04
	Total of part-B			Rs.	7,81,200.62

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
	Part-C-Replacement of false ceiling in telephone exchange building (MDF area).				
	Civil works				
1	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 2K.m lead as directed by Engineer-in-charge.	78.00	Sq.m	15.90	1,240.20
2	Providing and fixing in true horizontal level 600 mm x 600 mm false ceiling system manufactured by M/s. Armstrong World Industries using DUNE SUPREME RH 99 MICROLOOK EDGE WITH SILHOUETTE GRID, using hot dipped galvanized steel section, rotary stitched main tee of size 15mm x 42 mm web height, having 0.36 mm gauge at every 600 mm centre to centre maximum and rotary stitched cross tee of size 15 mm x 42 mm, having 0.33 mm gauge at every 600 mm. c/c. and wall angle of size 19 x 19 mm., having 0.35 mm gauge fixed to the periphery of the wall. The above grid is suspended at every 600mm c/c. in both directions using 2.0 mm. thick pre-straightened GI wire, and laying Dune Supreme Microlook Edge ceiling tiles manufactured by M/s. Armstrong World Industries, of size 600mmx600mmx15mm having NRC 0.50, Light reflectance of >85% (WT), thermal conductivity k = 0.052-0.057 W/m0K, Humidity Resistance of 99% (having LIFETIME GUARANTEE against SAG), having Fire Performance CLASS O / CLASS 1 (BS 476), surface having 3 coats of white paint - crisp finely granulated with microperforations, back of the tile duly sanded with a coat of protective paint over the formed grid and complete in all respect ,Boards where light fixtures to be fixed shall be handed over to Department. M/s- Armstrong etc complete all as directed by Engineer-in-charge.	78.00	One Sq. m	1,098.06	85,648.68
	Electrical Estimate				
1	Supply, Assembly, Erection, Testing & Commissioning of Recess Mounted LED Luminaire suitable for 600x600 Armstrong ceiling mounting system. The job includes supply of 1.5sq.mm copper wire for connection. Make: Havells, Model: LHEWBPP7PW1W042 (or) Phillips, Model: RC365B LED33-5000 PSU OD WH	11.00	Nos	2,777.98	30,557.78
2	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting with Roma Type code : 21011 of Anchor or North West make . Fixed on a suitable modular type concealed box which is also to be supplied along with suitable top cover. Testing & commissioning.	11.00	Nos	215.26	2,367.86

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
3	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ Havells/ L&T. In PVC pipe of suitable dia (As per IS for wiring points) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Each light / fan point should be connected to three plate ceiling rose code 30090 of Roma modular type of Anchor or North West make / connector suspended duly with couduit / PVC pipe etc. Each circuit should not have more than 7 points 700 watts. (Average length of 1.5 sq.mm wire required for each wiring point = 8m)	11.00	Nos	754.40	8,298.40
4	Dismantling of Existing False ceiling lights & Emergency lights along with its wiring and switch boards. The job includes removal of existing Wiring from MCBDB	28.00	Nos	133.88	3,748.64
	Total of Part-C			Rs.	1,31,861.56
	Total value of work (Part A+B+C)			Rs.	11,16,850.56

Note:

1	Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.
2	The rate does not include VAT and service tax. GST is extra as applicable which will be reimbursed to the agency against submission of documentary proof.
3	Penalty terms: a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered. b) The contractor fails to deposit the required security deposit or commence the work within the period as per LOI/Contract. The EMD will be forfeited. c) If the agency fails to commence the work as requested by the department penalty of 0.5% on the gross value of work for weeks delay will be applicable. Penalty amount so determined along with GST if applicable thereon shall be recovered.
4	Taxes: Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz.GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statute enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.
5	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.
6	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.
7	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
8	The maintenance period is 6 months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				
9	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 513.80, SSW= ₹ 567.15, SW = ₹ 620.96 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.				
10	The agency has to bring police clearance certificate for the work force.				
11	All the terms and conditions of the contract with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).				
12	The Company does not expressly or by implication agree that the actual amount of the work to be done at BHEL shall correspond there with, but reserves the right to increase or decrease the quantity of operations / unit / number of persons deployed etc., or portion of the work as he deems necessary. Use of Stone dust is not permitted in any civil works.				
	<u>GST CLAUSES</u>				
	Following points to be complied with :				
13	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.				
14	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.				
15	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.				
16	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
17	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.				
18	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
19	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				
20	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.				
21	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.				

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
22	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.				
23	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				

Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		