



**NATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCES  
(INSTITUTE OF NATIONAL IMPORTANCE) BANGALORE-560 029  
ENGINEERING DEPARTMENT. Phone (080) 26995215.**

Ref.No. NIMH/ENG/HOES/ 206 /2019-20

Dt: 06 /05/2019

**QUOTATION NOTIFICATION**

Quotation is invited from the reputed Agency for the work of “REVAMPING OF AC PLANT CONNECTED TO 3 NOS.OF EMERGENCY OT AND EMERGENCY ICU AT GOLDEN JUBILEE EMERGENCY WARD” addressed to the Head of Engineering Section, National Institute of Mental Health and Neuro Sciences, Post Box.No. 2900, Hosur Road, Bangalore-560 029, so as to reach the quotation to undersigned by 3.00 p.m. on or before 16 /05/2019 Quotations will be opened on the same day at 3.30 pm. Please furnish your quotation in a sealed cover. Rate to be quoted in figures & words. (**Note: Quoted rate should be inclusive of GST.**)

Sl. No	Description of the works	Unit	Apprx Qty
1	Supply, installation, testing, commissioning or chiller package units of Actual capacity 36 TR at 36 deg C Ambient conditions, fully factory built complete with hermetic, Multiple Scroll compressor unit (s). Air cooled condenser, insulated evaporator, liberation isolating spring isolations, microprocessor controller & Automatic safety control, water flow switch for cooler and condenser, starters for compressor motor with necessary potential free contacts, contractors, MCBs, power provision for cooler and condenser motorized ON/OFF valves, factory wired power and control wiring for compressor starters, on frame complete motor shall be suitable for 415 x 10% units. Chillers capacity of each chilling unit is: Chiller Capacity 36 TR MODEL no XAC3S-036MAR2	Sets	2.00
2	Chilled water piping insulation using 25/32 mm nitrile rubber insulation, joints sealed with black cotton tape and covered with 2 coats of UV resistant FRP lining		
a	100 mm dia	Rmtr	50.00
b	80mm dia	Rmtr	50.00
3	Replacing of existing chill water pump with ARMSTRON inline pump 7.5 HP with 14” main header and 4/580mm dia branch MS line, erection pressure testing and painting with proper supports.	Nos	2.00
4	Butterfly valves of PN 10 rating with extended stem of the following sizes with companion flanges and insulation as above.		
a	100mm dia	Nos	12.00
b	80mm dia	Nos	12.00
5	40mm dia Gate valve for drain	Nos	2.00

6	Pressure test points	Nos	4.00
7	Dial type pressure gauges suitable to use with the above test points.	Nos	10.00
8	Thermo wells	Nos	10.00
9	Industrial stem type thermometers	Nos	10.00
10	MS structural platform modification to suit to install chiller/ civil works as per site conditions.	Lot	1.00
11	Crane charges for existing unit dismantling and shifting to ground floor and shifting of unit chiller from ground floor to 3 <sup>rd</sup> floor terrace	Nos	2.00
12	Chemical cleaning of the all the AHU and providing stand by motors and replacing of pre filters.	Nos	4.00
13	Control wiring and termination of main incoming cable with existing panel board of chiller water line and chillers.	Nos	1.00
14	Air condition outdoor control panel board : fabricated with 14 swg MS sheet including,600amps Change over switch, copper bus bar, Ammeter, voltmeter, indicating lamps, ELCR, 600amps MCCB-1no. 250 amps MCCB-2 nos., 63amps mccb-12 nos, 2 feet stand. Make: Siemens	Set	2.00
15	Supplying fixing of on load change over switches 4 poles, 415V, 50Hz, AC Supply with AC-23A Duty enclosed with 14SWG MS sheet with suitable angle Iron , bolts nuts and necessary stand. Make Siemens 800amps	No.	2.00
16	Supplying fixing and wiring earth electrode for grounding of sophisticated medical equipments, lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipes with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 600x600x600mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 600mm around with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts and the work should be carried out as per the instruction of the engineer incharge.	Set	2.00
17	Supplying and running of Copper strips grounding connections using necessary fixing materials.25x3mm	Mtr.	60.00
18	Supplying and running of copper plate grounding connections, using necessary fixing materials 600x600x6mm copper plate	Mtr.	2.00
19	Supplying and laying of LT UG cable having aluminum conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armored cable with PVC outer sheathing 1.1 KV class. 3.5 core 400 sq.mm	Mtr.	800.00
20	Digging of trench 3feet depth and 0.5mtr. Wide in asphalt cutting refilled with sand up to the level of cable depth, and finished with Cement concrete of 6 inches depth to the surface level.	Mtr.	250.00
21	Supplying and fixing tray for lying of 400 sqmm cable on wall.	Mtr.	25.00
22	End termination of 3.5 core 400 sq.mm UG cable with heavy duty long barrel copper lugs and metal glands.	Set.	6.00
23	Supply, Installation, Testing and commissioning of floor mounted draw through horizontal / vertical discharge modular sectionalized construction Double skin (25 mm insulation) AHU Comprising the following Filter section with panel type profiler with 90% efficiency down to 10 micron. Fan section with Backward curved centrifugal blower driven by 6P induction	NO.	1.00

	motor and suitable V belt drive set, drive guard and a view window in the access door. The fan outlet shall be connected to the AHU using fire retardant flexible connector Outlet damper of GSS construction with nylon gears. Marine light, door limit switch all wired from the starter panel (Ceiling mounted only).		
24	Duct modification to connect DX AHU units with exiting main duct along with canvass, CNC Machine fabricated sheet metal ducting complete with 4 bolt transverse duct connectors for all sizes, supply air collars, vanes, splitters, painting of the ducts behind continuous grills etc. Alternatively CNC machine made ducts with Only angle iron flange shall be used irrespective of the duct size.	Sq.mtr.	50.00
25	Back drop dampers to be provided for existing AHU unit and new DX AHU's both the AHU unit	Each	2.00
26	civil works related to new AHU unit main ducts connecting with existing main ducts and providing return air path	LS	1.00
	<b>GRAND TOTAL IN</b>		
	<b>RUPEES</b>		

**Terms and Conditions of the Contract:**

1. The tenderer should have a valid class-I (Electrical) registered contractor in KPWD/CPWD/CEIG or agency should have registered Authorized dealership or Manufacturer of the company with valid registration. (Enclose the necessary document along with quotation).
2. The agency should furnish Registration Certificate of GST.
3. Prosperous tenderers/Agency are requested to visit the NIMHANS website regularly till this tender process is complete, for any amendment/clarification notified if any, will not be published in any other form.
4. All the items rates quoted in the tender include all lead, lifts, loading, unloading, transportation, labour, hire charges of machinery, curing, cost and conveyance of all materials and all such incidental charges for successful completion of the works as per the detailed technical specification and direction of Engineer-in charge of the work.
5. No advance payment shall be paid for the successful agency.
6. If the dates mentioned happens to be institute holiday the next working day should be considered.
7. Agency should follow strictly the prevailing rules of labour act as per GOI. Necessary safety arrangement should be made for labours such as safety belts, helmets etc.
8. Statutory recoveries as and when imposed by the Central Government and state Government such as taxes and cess etc., shall be recovered in the bills payable to the contractor.
9. The agency must be accompanied by Earnest money deposit for Rs 1,00,000/ drawn in favour of the Director, NIMHANS Bangalore.
10. 5% Security deposit should be submitted after receipt of the Letter of Acceptance in the form of Demand draft /Pay order drawn in favour of the Director, NIMHANS Bangalore
11. The agency should inspect the GOLDEN JUBILEE EMERGENCY WARD along with concerned Engineer before quoting lowest rate.
12. The rate to be quoted including GST.
13. Any other required details/clarification can be had from this office during working hours. Ph No.080-26995215 or contact Shri Chaluvraj JE (Electrical) Mobile No.9480829708.

14. The Director, reserves the right for accepting or rejecting any or all application/tender for this work without assigning any reasons at any stage.

Sd/-  
Head of Engg.Section