

CORRIGENDUM-II DATED 24/10/2016

TO

NOTICE (NIT) NO MMTC/ESTATE/984/2016-17 DATED 5TH OCTOBER 2016 for TENDER FOR CONSTRUCTION OF JEWELLERY DISPLAY CENTRE AT COMMUNITY CENTRE, MMTC COLONY, ADHICHINI, NEW DELHI

1. The last date for submission of Bids/Opening of Technical Bids which was previously 31/10/2016 is now changed to **03/11/2016 at 1400hrs and 1500hrs respectively.**

2. A fresh BOQ has been enclosed after some minor corrections which should be considered for bidding and the previous BOQ may be disregarded.

All other terms and conditions of the tender shall remain the same.

This Corrigendum becomes an integral part of the notice (NIT) NO. MMTC/ESTATE/984/2016-17 DATED 5TH OCTOBER 2016 for TENDER FOR CONSTRUCTION OF JEWELLERY DISPLAY CENTRE AT COMMUNITY CENTRE, MMTC COLONY, ADHICHINI, NEW DELHI

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Bill of Quantities (BOQ)					
S. No	DESCRIPTION	UNIT	QTY.	RATE	AMT
C&I					
1	ANTI TERMITE TREATMENT				
1.1	Providing & doing anti termite treatment for entire area (Pest control) Diluting and injecting chemical emulsion for pre constructional Anti Termite treatment and creating a continuous chemical barrier all over as per manufacturer specification and ISI standards.	Sq.ft.	400		
2	DISMANTLING WORK				
2.01	Dismantling of Existing partition & column/wall cladding				
	Dismantling of existing partition, glazing, column/wall cladding and disposal of unserviceable material as directed to municipal dumping ground.	Sq.ft.	1		
2.02	Dismantling of Existing Ceiling				
	Dismantling of existing gypsum ceiling, grid ceiling & disposal of unserviceable material as directed to municipal dumping ground.	Sq.ft.	1		
2.03	Dismantling of Existing flooring				
	Dismantling of existing flooring & disposal of unserviceable material as directed to municipal dumping ground.	Sq.ft.	1		
2.04	Dismantling of existing doors and disposal of unserviceable material as directed to municipal dumping ground.	Nos.	1		
3	FLOORING				
3.01	Providing & laying in flooring of size of 600 x600 mm on 40 mm thk of cement sand bedding with CM 1:4 (fixing to be done with cement slurry & paste) . Rate shall include all wastage, 3mm thk. grout filled with LATICRETE grout matched to tile) (Basic Rate of tile 90/- per sq.ft.)	Sq.ft..	400		
3.02	Providing &fixing of 19 mm thk. Icon B skirting 6" high over a bed of 20 mm thk. Cement mortar (1:4) jointed with cement slurry mixed with pigment to match the colour of granite including necessary wastage , cutting , grinding & polishing complete. Base Rate of granite is Rs. 190/- sq.ft.	R.Ft.	70		
4	WOODWORK				
4.01	Providing & fixing PLY BOXING made up of 50mm X50 mm sal wood frame work at 2' x 2' c/c covered with 12 mm+8mmM R grade ply [please noteSmm MR grade ply to be fixed to make grooves of size 8mm x 8mm] finished with laminate as specified by architect drawing. Rate is inclusive of all necessary hardware. Basic cost of laminate: 850/sheet	Sq.ft..	1		

S. No	DESCRIPTION	UNIT	QTY.	RATE	AMT
4.02	Providing & fixing PLY BOXING made up of 50mm X 50 mm sal wood frame work at 2' x 2' c/c with 12 mm M R grade ply+12MMmm thk GYPSUM finished with approved paint as specified by architect drawing. Rate is inclusive of all necessary hardware.	Sq.ft..	1		
4.03	Providing & fixing Laminate paneling made up of 1.5" X 1.5" sal wood frame work covered with 12 mm+ 8mmM R grade ply [please note 8mm MR grade ply to be fixed to make grooves of size 8mm x 8mm] finished with laminate as specified by architect drawing. Rate is inclusive of all necessary hardware. Basic cost of laminate: 850/sheet	Sq.ft..	1		
4.04	P/f of ply boxing finished with white lamainte , having cove lights covered with 4mm milky white acrylic as per design. Rate shall include 12 mm thk marine ply, Edge molding, fixing, all wastage, melamine polish, acrylic etc. complete as per details provided.	Sq.ft..	1		
4.05	P/f of Looking 6MM thk Mirror on 12 mmthk ply panelling. Rate shall include 12 mm thk marine ply, Edge molding, fixing, all wastage, melamine polish etc. complete as per details provided.	Sq.ft..	50		
4.06	Providing and fixing 3" thk FULL HT. MDF PARTITION made out of 50 X 50 sal wood section framework at 2' x 2' c/c covered with 12 mm+ Smmthk.MDF [please note 8mm MDF to be fixed to make grooves of size 8mm x 8mm] finished with duco paint as per approved. Rate is inclusive of all necessary hardware. [duco paint cost not included]	Sq.ft..	80		
4.07	Providing and fixing Managers Table (2'-0" Deep) made from 25 mm thk. MR grade Board finished with laminate including necessary vertical supports complete as per design and drawing. Also p/f modular keyboard trolley as per specification. Rate is inclusive of all necessary hardware. Basic cost of laminate: 40 Rs. /sft	RFt.	1		
4.08	P/F 1'-4" deep full ht storage [UP 3' ht. storage with laminate shutter & above that space for open shelved to keepjewelry pieces made up of 19 MM thk. MR grade ply with 4mm thick MDF for Duco finished as per design & drawing. Basic cost of laminate: 40 /sft [duco paint cost not included]	Sq.ft..	450		
4.09	Providing and making 15" deep Overhead Cabinets/ storage cabinet in 19 mm thk. ply. Sides top and front shutters made up of 19mm thk ply .Back of cabinet to be with 6 mm thk. ply. cabinet should have a pelmet arrangement below for light .All internal surfaces to be finished in paint & external surfaces finished with Highland PINE- MAKE BLOOM laminate. Costs to include for all hardware and fittings like handles, locks, beading, making grooves etc complete as per drawing and details. Basic cost of laminate: 850 /sheet	Sq.ft..	1		

S. No	DESCRIPTION	UNIT	QTY.	RATE	AMT
4.10	Providing & making 2'6" deep and 3'0" high display counter made from 19 thk. Ply with provision of cove lights with 8 mm thk. clear glass covering for item display. Tabel Top & front facia finished with laminate as per approved , storage provision to be made below with laminated shutter as per design, complete as per design & detail drawing.All internal surfaces to finished with white laminate	RFt.	25		
4.11	Providing & fixing of 3" thk. &8' high portal made of wooden frame work cladded with 12 mm thk. Ply finished with approved laminate. Rate is inclusive of all necessary hardware. Basic cost of laminate: 850/Sheet	Sq.ft..	40		
4.12	Providing & fixing ply boxing for AIR-CURTAIN made up of 50x50 sal wood section framework at2'X2' c/c covered with 12 mm THK. MR grade ply finished with approved laminate. Also provide shutter for maintenance purpose. Rate is inclusive of all necessary hardware. Basic cost of laminate: 40/sft	Sq.ft..	10		
5	PAINTING/POLISHING				
5.01	Providing & applying 3 coats of Luster paint of approved quality & shade by sand papering the surface, applying one coat of primer, prepare the surface with two coats of full putty, sand papering again, repeating a coat of primer, applying one coat of luster paint, touching up with putty & applying two final roller coats of luster paint, to internal wall/ceilings masonry concrete surfaces incl. preparing the surface by cleaning scrapping, smooth filling crevices, scaffolding etc	Sq.ft..	50		
5.02	Providing & applying 3 coats of Plastic paint of approved quality & shade by sand papering the surface, applying one coat of primer, prepare the surface with two coats of full putty, sand papering again, repeating a coat of primer, applying one coat of luster paint, touching up with putty & applying two final roller coats of plastic paint, to internal wall/ceilings masonry concrete surfaces incl. preparing the surface by cleaning scrapping, smooth filling crevices, scaffolding etc.	Sq.ft..	500		
5.03	Providing and applying Texture Paint - thoroughly brushing the surface free from foreign matter, sand papering smooth, filling in all holes and cracks, applying putty and making approved textured design	Sq.ft..	300		
5.04	Providing & applying DUCO paint on wooden partitions etc.	Sq.ft..	200		

S. No	DESCRIPTION	UNIT	QTY.	RATE	AMT
6	FALSE CEILING WORK				
6.01	P/F seamless GYPSUM BOARD 1 2.5mm thk fixed to the under side of the suspended grid formed of GI perimeter channel of size 20x27x30mm fixed along the wall by using wood screws & metal expansion rawl plugs. The GI intermediate channel of size 45x15x0.90mm shall be fixed to the suspended strap hanger /GI ceiling angle at intervals not more than 1220mm. The suspended GI ceiling angle/strap hanger is to be connected with GI soffit cleat of size 37x27x25, 1.6mm & it should be fixed on the roof slab/ beam by using metal expansion fasteners of 12.5mm dia. to the length of 35mm with screw at top ends, including all drops, coves etc and taping & finishing. Rate to be inclusive of cove and cutting for lights, grills/ ducts etc. As per the Details.	Sq.ft..	400		
6.02	P/Making 125 mm x 75mm Cove in end of ceiling in different level as per detail with clear span of 75x50 mm inside.	rft.	200		
7	FURNITURE				
7.01	P/F display station as per design and detail size 5" 0" x 2" 0" x 5" 6" made out of 19 mm thk MDF boxing finished with duco finishes per detail [refer detail drawing also]	Nos.	2		
7.02	Providing and fixing Air curtains of approved make	Nos.	1		
7.03	Providing & fixing mdf box made up of 1 2mm thk. Mdf with necessary arrangement for lights inside , covered with acrylic and having slits of varying size[as per detail drawing] on box fixed with 1" dia square SS pipe support taken from side beam as specified in drawings the box has to be painted Rate in inclusive of all necessary hardware.	R.ft.	1		
7.04	S/f of Floor covering with corrugated sheet and plastic aftre removing the pop Covering.	Sq.ft..	400		
7.05	STAFF CHAIRS - Executive Chairs: 3D KNIT BACK & FABRIC SEAT PNEUMATIC HT. ADJUSTMENT HT. Fixed ARMS & BACK BLACK BASE ON CASTERS WEIGHT ACTIVATED MECHANISM & FLEXOR!	Nos.	8		
	FRONT FACADE				
8.01	MAIN ENTRANCE DOOR:- Providing & fixing single leaf solid door on floor spring fabricated with veneer/glass panel all sides edge polished to be fixed hinges of approved make. Cost of the door to be inclusive of making necessary fittings, pre-approved SS 600mm long handles to be fitted horizontally / vertically as per instructions & patch fitting(s) lock(s), etc., all hardware. As per entire satisfaction of engg. incharge /Architect. Size of doors as mentioned below.	Nos.	1		
8.02	Providing & fixing 12 mm Toughened Glazing with aluminum "U" channel at bottom fixed in floor & top edge to be fixed in false ceiling taking/ ACP cladding with necessary supports from slab compete as per drawing .	Sq.ft..	100		
S. No	DESCRIPTION	UNIT	QTY.	RATE	AMT
8.03	Providing & fixing of Frosted film on exterior glass (Garware/Lunaar make)	Sq.ft..	50		

8.04	Providing & fixing 3mm thick WHITE COLOUR ACP cladded on aluminum frame work supported with necessary M.S. section as per shown in drawings. Job including fabrication & erection. Rate inclusive of all necessary hardware.	Sq.ft..	50		
8.05	Providing & fixing canopy by using 4MM mm thk exterior grade ACP with M.S. framework above main entrance , complete as per detail drawings & architect instruction. Job including fabrication & erection. Rate inclusive of all necessary hardware.	Sq.ft..	100		
Sub-total					

CCTV					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMT.
1	1/3" progressive scan 1.3 MP CMOS, Effective Pixel, 1280(H)*720(V), Min. Illumination 0 Lux, 3DNR, AWB, BLC, multiple network monitoring (IR ON), Electronic shutter, Auto/1/25s-1/10000s, Day/Night EXT trigger, ICR, Lens 3.6mm M12, Max. IR LED length 10-15 Mtrs (720P HD IP Network IR Night Vision IP67, PoE Bullet Camera)	Nos	3		
2	1/3" progressive scan 1.3 MP CMOS, Effective Pixel, 1280(H)*720(V), Min. Illumination 0 Lux, 3DNR, AWB, BLC, multiple network monitoring (IR ON), Electronic shutter, Auto/1/25s-1/10000s, Day/Night EXT trigger, ICR, Lens 3.6mm M12, Max. IR LED length 10-15 Mtrs (720P HD IP Network IR Night Vision IP67, PoE Dome Camera)	Nos	1		
3	16CH 720P IR network camera with NVR, H.264 dual-stream, Linux operation system, IP cameras, get power from NVR via network cable, Standard ONVIF .snapshot, alarm link E-mail send Synchronize video, playback, remote monitor, storage, 15 times electronic zoom preview and playback image, One push to connect IPC automatically, plug and play, VGA/HDMI sync output, support 1080P HD preview, Support DDNS, ONVIF, EMAIL, UPNP, NTP, Support WEB, mobile surveillance, client, CMS, Lighting-proof, IP66, RJ45, With USB Mouse & Software (16Ch Full Real-time Network Video Recorder)	Nos	1		
Sub Total Amount					

ACCESS CONTROL					
S.No	DESCRIPTION	UNIT	QTY	RATE	AMT.
1	Supply, installation testing and commissioning of Proximity access Card Readers	Nos	1		
2	Supply, installation testing and commissioning of EM Lock with Door status Monitoring and Accessories such as Other Local Accessory (Adaptor, Telephone Wire, Ball Switch, Gang Box, Gitti	Nos	2		
Sub Total Amount					

ELECTRICAL					
S.No	DESCRIPTION	UNIT	QTY.	RATE	AMT
1)	Wiring for the following light points with 2.5 sq. mm PVC insulated copper conductor FRLS wires of 1 100 Volts grade in concealed/exposed 2mm thick FRLS PVC 25mm dia in false ceiling / walls / ceiling as called for including providing 5 amp flush type switch of approved quality colour make & design & approved White Polycarbonate modular cover plate, 5 sided GI box with earth stud and earthing with 1 .5 sq. mm FRLS PVC insulated copper conductor earth wire, (item inclusive of UPS/Emergency Lighting)				
a.	One point controlled by one 6 amps Switch.	Nos	30		

2)	Same as item No. 1 above but LOOP POINT i.e. wiring of point looped from first point with 1.5 sq. mm PVC insulated copper conductor FRLS wire (controlling switch in item no.1) and earthing with 1.5 sq. mm PVC insulated copper conductor earth wire.	Nos	30		
3)	Wiring including termination for 6 amp Switch socket outlet point with 2.5 sq.mm FRLS PVC insulated copper conductor wires in concealed/exposed 2mm thick FRLS PVC 25mm dia or existing raceways including providing 6 amp switch, 3 pin 6A shuttered socket, GI box for housing switches sockets, approved White Polycarbonate modular cover plate and earthing by same size of wire. All the circuits must be dressed with circuit identification tags.	Nos	12		
a)	Same as item No 3 - LOOP POINT including rate of socket and wiring conduiting from primary socket to loop Socket Point complete.	Nos	8		
4)	Wiring including termination for the following configuration of outlets for workstations with 3 core x 2.5 sq.mm copper cable conductor ,PVC insulated FRLS PVC sheathed wires of 650/1 100V grade in existing conduit/raceway including supplying and fixing following numbers socket and switch housed in GI box/Furniture housing with approved White polycarbonate modular cover plate as required. All the circuits must be dressed with circuit identification tags.				
a)	1 Nos. 6A universal pin outlet controlled by 1 no. 6 A switch (UPS W/S,CABINS,MEETING ROOM as per drawings) (Primary Point)	Nos	15		
b)	2 Nos. 6A universal pin outlet controlled by 1 no. 10 A switch (UPS /RAW W/S, CABINS, MEETING ROOM as per drawings) (Primary Point)	Nos	20		

S.No	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
c)	1 Nos. 6 A universal pin outlet controlled by 1 no. 6 A switch (UPS W/S) (Same as item no 4 a. above but Loop Point) (Maximum of Four workstations shall be looped in one circuit)	Nos	55		
d)	2 Nos. 6 A universal pin outlet controlled by 1 no.10 A switch (UPS /RAW W/S) (Same as item no 4 b. above but Loop Point) (Maximum of Four workstations shall be looped in one circuit)	Nos	50		
5)	Wiring for 5/15 amp power outlet points with 4 sq. mm PVC insulated copper conductor FRLS wires for the first socket outlet and 4 sq. mm PVC insulated copper conductor FRLS wires for the second outlet of 1100 Volts grade in concealed / exposed 2mm thick FRLS PVC 25mm dia conduit as called for including providing 15 amp flush type 6 pin socket and switch, MS outlet boxes. Approved White Polycarbonate modular cover plate and earthing, with 2.5 sq. mm PVC insulated copper conductor FRLS wire. (The rate quoted shall be for set of two outlets wired as explained above)	Set	3		
6)	Wiring for 5/15 amp power outlet point with 4 sq. mm PVC insulated copper conductor FRLS wire of 1 100 Volts grade in concealed/exposed 2mm thick FRLS PVC 25mm dia conduits including providing 15 amp flush type combined 6 pin sockets and switch, MS boxes, approved White Polycarbonate modular cover plate and earthing with 2.5 sq. mm PVC insulated copper conductor wire. (Only one outlet shall be connected to each circuit).	Nos	6		

S.No	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
7)	Wiring for Wall/ Exhaust fan point with 2.5 sq. mm. insulated copper conductor 1 1 00 volts grade stranded flexible FRLS wires of approved make in concealed or surface mounted 2mm thick FRLS PVC 25mm Conduit including providing and fixing of 6 Amps flush mounted switch at the normal switch level in 1.6 mm thick MS box and 6 Amps 3 pin flush mounted socket out of near exhaust fan and earthing of exhaust fan through the third pin of the socket outlet and GI box with 2.5 sq. mm. PVC insulated copper conductor flexible FRLS wire, complete in all respect.	Nos	2		
8)	Supply, installation, testing and commissioning of 20 amps Double pole Industrial socket outlet with MCB in polycarbonate boxes with all accessories complete as required, (for Server and HUB).	Nos	2		
9)	Supply, laying, testing and commissioning of 3 core 4 sq.mm 1 100 V grade PVC insulated sheathed FR copper conductor unarmoured cable in existing raceway with suitable clamps including providing and fixing of all fixing accessories complete as required (for server/Hub room)	RM	20		
10)	Providing and fixing in position of the following sizes of heavy duty FRLS PVC conduit including all accessories as required.				
a)	32 mm dia heavy duty FRLS PVC conduit	RM	50		
b)	25 mm dia heavy duty FRLS PVC conduit	RM	20		
c)	20 mm dia PVC flexible conduit	RM	30		
d)	25 mm dia PVC flexible conduit	RM	20		
CONDUITING FOR TELEPHONE, COMPUTER, T.V AND COMPUTER NETWORK SYSTEM					
1)	Supplying, laying , testing & commissioning of and fixing in position 1 .6mm GI box for data/voice outlet suitable for fixing of RJ 45 jack complete as required.	Nos	10		
	Note :- The jack along with cover plate shall be supplied & fixed by the Employer.				

S.No	DESCRIPTION	UNIT	QTY.	RATE	AMT
2)	Providing and fixing in position following sizes of heavy duty conduits including providing all accessories concealed/ exposed as required along with G.I. pull wire				
a)	20 mm dia PVC FRLS conduit (for Data /Voice Wiring)	RM	20		
b)	25 mm dia PVC FRLS conduit (for Data /Voice Wiring)	RM	20		
c)	32 mm dia PVC FRLS conduit (for Data /Voice Wiring)	RM	20		
3)	Providing and fixing in position following sizes of 16 gauge PVC flexible conduit with end couplers including providing all accessories concealed/ exposed as required.				
a)	20 mm dia PVC flexible conduit (for Data / Voice Wiring)	RM	45		
b)	25 mm dia PVC flexible conduit (for Data / Voice Wiring)	RM	20		
c)	32 mm dia PVC flexible conduit (for Data / Voice Wiring)	RM	25		
	SUPPLY AND FIXING OF LIGHTING FIXTURES				
1)	Supply and fixing unloading storing at site, of the following fixtures with all accessories, such as spring loaded side holders, starters, power factor compensators, MS housing to house ballasts Electronic ballasts complete with lamps. All the lamps shall be colour 84 or as approved.				
a)	Supply of Suspended 32 W Recessed mounted, back -lit LED panel, with low glare CRCA powder coated low glare diffuser and suitable for 600x600mm Modular ceilings with suspension kit in 4000K, 2800 Lm with integral HF electronic driver lumens output from fixture. (make, Wipro/Leggero/orient/equivalent)	Nos	20		
b)	Supply of Down-lighter: Recessed mounted, high efficacy 12 watt LED down-lighter, with pressure die-cast aluminium housing and opal diffuser for glare-free light 4000K, 1 200 lumens out-put from fixture. (make, Wipro/Leggero/orient/equivalent)	Nos	30		
	Sub Total				

Fire & Safety (FAS)					
S.No.	DESCRIPTION	UNIT	QTY	RATE	AMT.
1	Supply, installation, testing and commissioning of conventional type smoke detector with standard base Led etc complete as required .	Nos	6		
2	Supply, installation, testing and commissioning of conventional heat detector with standard base LED etc as required .	Nos	1		
3	Supply, installation, testing and commissioning of LED type Response Indicator complete as required and as per specifications.	Nos	1		
4	Supply, installation, testing and commissioning of manual push button to initiate audio alarm with a breakable glass cover/resettable, conventional type complete as required. and as per specifications.	Nos	1		
5	Supply, installation, testing and commissioning of Fire Alarm Hooter. conventional type, (sound output of minimum 90 dB upto a distance of 30 meters) with strobe light of 110 cd intensity with power supply arrangement complete as required and suitable for wall/ceiling mounting and as per specifications.	Nos	1		
6	Supply and laying and terminating of 2 C X 1.5 Sq mm Twisted copper FRLS flexible armoured Cable. Complete with termination and testing as per requirement.	RM	90		
7	Supply, installation of MS box with metal gland for termination of fire cable.	Nos	60		
8	Providing and fixing in position of the following sizes of 16 gauge MS conduit including all accessories as required.				
a	25 mm dia 16 gauge MS conduit	RM	40		
Make : Agni, System sensor/Rowel					
Sub-Total					

HVAC					
S.No.	DESCRIPTION OF ITEMS	UNIT	QTY.	RATE	AMT.
1	EQUIPMENTS				
1.1	Cassette Mounted SPLIT AIR CONDITIONING UNIT				
	Supply, installation, testing & commissioning of Split Air Conditioning Unit with air cooled rotary / reciprocating Compressor, Hi wall type Indoor Unit including Remote Thermostat. Stabilizer. outdoor unit stand, MCB at outdoor & with all accessories.				
	1.5TR	NOS.	2		
1.2	Supply, installation, Testing & commissioning of copper refrigerant pipe work insulated with 13 mm Thick elastomeric nitrile rubber tubular insulation, complete with refrigerant topping for split units after 15 meter of length.	Rmt	900		
1.3	Power and Control Cable				
	Supply and laying of the following 1100 volt grade armoured PVC/XLPE insulated and sheathed copper conductor armoured cable in cable Tray/clamped to wall with suitable clamps saddles and bolts as required and including testing and commissioning complete as required. The costs shall include providing a gap of 1D between all the cables being laid and proper clamping with cable clamps and ties. Prices shall include providing and fixing of Identification tags for all cables etc. and as per specification and / or as per direction of Project in-charge Sizes as per requirement.				
	3 core x 1.5 mm ² (Control Cable) Non Armoured , pvc flexible with clamp without tray	Rmt	90		
1.4	INSULATED DRAIN PIPING WORK :				
	Supply, Installation, Testing and Commissioning of Condensate Drain Pipe, PVC Heavy Class Pipes, including bends, tees, 'p' trap, supports, saddles, anchor fasteners, angles, insulation material, 12mm Heatlon insulation and other accessories required (Contractor will be paid for actual installed quantity as per site measurements)				
	25mm Dia	Rmt	130		
	Sub-Total				

