

CONSTRUCTION OF OFFICE BUILDING FOR DEPARTMENT OF ACCOUNTS, PORVORIM, GOA

COMMON SET OF DEVIATIONS (CSD) NO. $\mathbf{1}$

30th December 2020

SL.	VO	PA	CHAPTER/	CLAUSE IN THE TENDER DOCUMENT/	CLAUSE/ SENTENCE TO BE READ AS/
NO.	L. NO.	GE NO.	CLAUSE NO./ ITEM NO	QUERY	CLARIFICATION
1.	II		LIST OF APPROVED MAKES OF EQUIPMENTS/ MATERIAL/ AGENCIES	Wooden Fire Rated Doors & Wooden Acoustic Fire rated Doors.	 Kuttys Doors & Doors Halspan Kalpataru Doors
2.	II		LIST OF APPROVED MAKES OF EQUIPMENT S/ MATERIAL/ AGENCIES	Fire Evacuation Chair	 Seedee Wheel Chair Solutions Approved Equivalent
3.	III		Item No - E13	Providing and fixing pristine white UPVC windows, glazing (sliding/ fixed/ louvred) and doors of high impact modified grade UPVC, including glass, thickness as specified in the schedule. The windows,	Providing and fixing pristine white UPVC (sliding/fixed/ louvred) windows, glazing and doors of high impact modified grade UPVC with glass of thickness



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glazing & doors must be colourfast and confirm to BS:7413 code, BS 7412 code & BS EN12608 code & should pass test of 'Classification -P' for ignitability & 'class-I' for surface spread of flame as per BS:476-Part 7. The profiles shall be with an outer wall of thickness of min.1.5mm. All sections of the frame and sash shall be reinforced with Hot Dipped GI section of min. width 2 mm in accordance with the system supplier's recommendations and as per design including all necessary hardware, handles, locking arrangement, Teflon Nylon rollers, SS Hinges, etc. (SS Grade 304 for all hardware) with double EPDM weather seal in window/ glazing, complete in all respect etc. as per architectural drawing & as per the direction of Engineer. Should have slope for draining rain water outside and welded in corners. Cost of accessories and cutouts in the glass of specified size and design, if any, to be included in the rate. The Rate shall include preparation of fabrication/shop drawing, mock-up etc. For any Door/ Window, Glazing that are provided as a combination of the above typologies, will be measured & paid under the corresponding items. UPVC profiles shall be provided with 10 years manufacturer's warranty.

as specified in the schedule. The windows, glazing & doors must be colourfast and confirm to BS:7413 code, BS 7412 code & BS EN12608 code & should pass test of 'Classification -P' for ignitability & 'class-I' for surface spread of flame as per BS:476-Part 7. The profiles shall be with an outer wall of thickness of min.1.5mm. All sections of the frame and sash shall be reinforced with Hot Dipped GI section of min. width 2 mm in accordance with the system supplier's recommendations and as per design including all necessary hardware, handles, locking arrangement, Teflon Nylon rollers, SS Hinges, etc. (SS Grade 304 for all hardware) with double EPDM weather seal in window/ glazing/ doors, complete in all respect etc. as per architectural drawing, approved shop drawings & as per the direction of Engineer. The profiles should have a slope for draining rain water outside and welded in corners. Cost of accessories and cut outs in the glass of specified size and design, if any, shall be included in the rate. For all Windows/ Glazing/ Doors including those which are provided as a combination of the above typologies, will be measured & paid under the corresponding sub-items as given below separately for the frames and glass. However the cost of all required

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				hardware, fittings, etc. and cut outs in the glass of specified size and design, if any, shall be included in the rate. The same will not be paid separately. UPVC profiles shall be provided with 10 years manufacturer's warranty. Note: a. For frames: the area of the outer extent of frames including glass portion shall be considered b. For glass: The actual area of the glass shall be considered
a.	III	Item No - E13 .1	Sliding - 2 track	Sliding - 2 track frames
b.	III	Item No - E13 .2	Sliding - 3 track	Sliding - 3 track frames
c.	III	Item No - E13 .3	Louvered	Louvered frames
d.	III	Item No - E13 .4	Fixed	Fixed frames



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e.	III	Item No - E13 .5	Doors – Single & double leaf	Doors – Single & Double Leaf frames
f.	III	Item No - E13 .6	5.0 mm thick Clear Float Glass	5.0 mm thick Clear Float Glass
g.	III	Item No - E13 .7	8.0 mm thick Toughened Glass	8.0 mm thick Toughened Glass
h.	III	Item No - E13 .8	5mm thk bajri / figured glass	5.0 mm thk Bajri / Figured Glass
4.	III	Item No - E16	Design, supply, installation, testing and commissioning of High Security Door (HSD) from approved manufacturer suitable for Treasury unit, providing protection to treasury unit against fire and Burglary attacks involving class AA, combination lock and Bio metric locking system conforming to BIS including HSD to possess Torch and Drill Resistant Matrix structure barrier, 120mins fire rating, Oxy-acetylene arc, drill and hammer resistant protection provided on High Security Doors including all suitably designed components such as door frame, superior quality dual control high precision locks and Highly sensitive relocking device on both locks prevents burglary by instantly deadlocking the Door if the locks are tampered with either mechanically or by using liquid	Design, supply, installation, testing and commissioning of High Security Door (HSD) from approved manufacturer suitable for Treasury unit, providing protection to treasury unit against Fire and Burglary attacks involving class AA, combination lock and Bio-metric locking system conforming to BIS including HSD to possess Torch and Drill Resistant Matrix structure barrier, 120 mins fire rating, Oxy-acetylene arc, drill and hammer resistant protection provided on HSD including all suitably designed components such as door frame, superior quality dual control high precision locks and highly sensitive re-locking device on both locks prevents burglary by instantly deadlocking the door if the locks are tampered with either mechanically or by using liquid explosives including Drill



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explosives including Drill defeat shields to protect vital parts of the lock and dead locking device as approved by Engineer. The HSD shall as per IS 11188 Approved & Listed by the Bureau of Indian Standards (BIS) including providing 12-step anti-corrosion treatment for all steel components. The HSD shall be successfully tested for burglary and fire resistance at the Central Building Research Institute (CBRI) or equivalent centre.

The quoted rate shall be inclusive of supply of all material, alarm system connection & integration as necessary, necessary door frame, labour, screws, sealant, crane, cutting and wastages, tools, tackles & supervision for installation and preparation and submission of sheet layout drawings etc. complete. The said schedule needs to be read in conjunction with approved manufacturer specifications. All complete including double scaffolding at all heights as per detailed drawings and as per approved shop drawings and as directed by the Engineer. Door opening size:-2350mm (H) X 1400mm (W)

defeat shields to protect vital parts of the lock and dead locking device as approved by Engineer. The HSD shall be as per IS 11188 approved & listed by the Bureau of Indian Standards (BIS) including providing 12-step anti-corrosion treatment for all steel components. The HSD shall be successfully tested for burglary and fire resistance at the Central Building Research Institute (CBRI) or equivalent center.

The quoted rate shall be inclusive of supply of all material, including providing neutronic alarm system & i-alert panel with repeater hooters at remote locations (Control Room on ground floor & Director's Chamber on first floor) including necessary alarm system wiring, connections & integration, necessary door frame, labour, screws, sealant, crane, cutting and wastages, tools, tackles & supervision for installation and preparation and submission of sheet layout drawings etc. complete. The said schedule needs to be read in conjunction with approved manufacturer specifications. All complete including double scaffolding at all heights as per detailed drawings and as per approved shop drawings and as directed by the Engineer. Door opening size: 2350mm (H) X 1400mm (W)



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5.	III	Section D	Fire rated Door hardware	Note: Fire rating of all door hardware shall correspond to the fire rating of the respective doors
6.	III	Item No. – I16	Constructing electrical manholes of following clear internal sizes in 230mm thick brick masonry, in 1:5 cement sand mortar, 100 mm thick 1:2:4 PCC coping to fix the frame & 1:2:4 PCC 150mm thick bedding, 1:3 water proof cement plaster smooth inside & rough outside including supply of all materials for chamber, including precast SFRC heavy duty manhole cover & frame complete as directed by Engineer.	Constructing electrical manholes of following clear internal sizes in 230mm thick brick masonry, in 1:5 cement sand mortar, 100 mm thick 1:2:4 PCC coping to fix the frame & 1:2:4 PCC 150mm thick bedding, 1:3 water proof cement plaster smooth inside & rough outside including supply of all materials for chamber, including precast SFRC heavy duty manhole of 30T cover & frame complete as directed by Engineer.
7.	III	Item No. – K3	Constructing brick masonry manhole of size 1.5m x 1.5m x 1.0m deep for Grease trap (0.60m liquid height) with Stoneware Tee connection for inlet outlet & vent, with CI Manhole cover and frame (Cover size 0.9 x 0.45 m wide) of heavy duty. Trap shall have inside plastering of 12 mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) and neatly finished complete as per standard design with 2 Nos 0.4 M x 0.85 M x 0.1 M high SS 304. perforated trey's with	Constructing brick masonry manhole of size 1.5m x 1.5m x 1.0m deep for Grease trap (0.60m liquid height) with Stoneware Tee connection for inlet outlet & vent, with CI Manhole cover and frame (Cover size 0.9 x 0.45 m wide, 250kg) of heavy duty. Trap shall have inside plastering of 12 mm thick with cement mortar 1:3 (1 cement:3 coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) and neatly finished complete as per standard design with 2 Nos 0.4 M x 0.85 M x 0.1 M high SS 304 perforated tray's



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8.	III	Item No. – K17	handles on both side including all accessories mounting. complete as specified in drawing Supplying & fixing C.I. LD manhole cover of 600 mm dia with locking arrangement for fixing on R.C.C. tank.	with handles on both side including all accessories mounting complete as specified in drawing. Supplying & fixing Heavy duty C.I. LD manhole cover of 600 mm dia. of 140kg with locking arrangement for fixing on R.C.C. tank.
9.	III	Item No. – N10.30	Hardware Platfrom for UNIFIED COMMUNICATION server, Max. IP Trunks: 99 (license-free) Max. IP Users: 2000 Max. VOCODER CHNLS: 248 Max. VMS CHNLS: 64 ETERNITY ME NEXT-GENERATION PLATFORM WITH CPU CARD (1 NO.), AC POWER SUPPLY CARD (1 NO.) AND 16 UNIVERSAL HOT-PLUGIN SLOTS. MENX SUPPORTS TWO SLOTS FOR CPU AND TWO SLOTS FOR POWER SUPPLY FOR REDUNDANCY. VOCODER AND VOICE MAIL SYSTEM DAUGHTER BOARDS ARE NOT INCLUDED. *For Redundancy, additional NX DBM and/or software licenses are required to be procured. CONCURRENT CALLS - 15	Supply, Installation, Testing & Commissioning of Hardware Platform for UNIFIED COMMUNICATION server, Max. IP Trunks: 99 (license-free) Max. IP Users: 2000 Max. VOCODER CHNLS: 248 Max. VMS CHNLS: 64 ETERNITY ME NEXT-GENERATION PLATFORM WITH CPU CARD (1 NO.), AC POWER SUPPLY CARD (1 NO.) AND 16 UNIVERSAL HOT-PLUGIN SLOTS. MENX SUPPORTS TWO SLOTS FOR CPU AND TWO SLOTS FOR POWER SUPPLY FOR REDUNDANCY. VOCODER AND VOICE MAIL SYSTEM DAUGHTER BOARDS ARE NOT INCLUDED. *For Redundancy, additional NX DBM and/or software licenses are required to be procured. CONCURRENT CALLS - 15
10.	III	Item No. – N15.3	32 CH D1HUS NVR, 8 HDDs Hot Swap, 2 eSATA, 2 1000M Ports, Overseas power cords with 16 TB HDD at D1 Resolution for 30 days Recording.	Supply, Installation, Testing & Commissioning of 32 CH D1HUS NVR, 8 HDDs Hot Swap, 2 eSATA, 2



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11.	III	Item No. – N15.4	8 CH D1HUS NVR, 8 HDDs Hot Swap, 2 eSATA, 2 1000M Ports, Overseas power cords with 16 TB HDD at D1 Resolution for 30 days Recording .	1000M Ports, Overseas power cords with 16 TB HDD at D1 Resolution for 30 days Recording. Supply, Installation, Testing & Commissioning of 8 CH D1HUS NVR, 8 HDDs Hot Swap, 2 eSATA, 2 1000M Ports, Overseas power cords with 16 TB HDD at D1 Resolution for 30 days Recording.
12.		Item No. – N16.1	Supply of 5 Loop Microprocessor based 2 wire fault tolerant loop, required loop networkable type (each loop accessing 99 detectors and 99 modules) fire alarm/detection control panel. The panel shall be able to give location of all fire/fault conditions of addressable units via the address codes. Further, the panel must be able to automatically switch ON /OFF respective control module when ever any alarm is triggered. The panel shall have rectifier, Loop cards, 80 character L C D unit to indicate Fire/Fault Signal with address and analog output, external/inbuilt printer to log all fire or fault events complete in all respects. The Panel Shall be Sheet Steel Painted, selaed to IP30. The Panel Shall have 20 Zones with Individual LED Indicators, expandable to 80 LED Indicators. The Panel Shall have 3 Serial Ports. The panel shall have provision to integrate with PA System and shall have provision to connect to Building Management system through Modbus Card. The panel shall have a built in power supply and battery charger along with maintenance	Supply, Installation, Testing & Commissioning of 5 Loop Microprocessor based 2 wire fault tolerant loop, required loop networkable type (each loop accessing 99 detectors and 99 modules) fire alarm/ detection control panel. The panel shall be able to give location of all fire/fault conditions of addressable units via the address codes. Further, the panel must be able to automatically switch ON /OFF respective control module whenever any alarm is triggered. The panel shall have rectifier, Loop cards, 80 character LCD unit to indicate Fire/ Fault Signal with address and analog output, external/ inbuilt printer to log all fire or fault events complete in all respects. The Panel Shall be Sheet Steel Painted, sealed to IP30. The Panel Shall have 20 Zones with Individual LED Indicators, expandable to 80 LED Indicators. The Panel Shall have 3 Serial Ports. The panel shall have provision to integrate with PA System and shall have provision to connect to Building Management system through Modbus Card. The panel shall have a built in power

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			free 24 AH, 2 x 12 volt SMF Lead acid batteries capable of running for a minimum of 24 hours with battery charger complete as required. and conforming to BS5839 Standards and Duly Approved by EN54/LPCB as per specifications. WITH SUPPLAY LOOP CARD	supply and battery charger along with maintenance free 24 AH, 2 x 12 volt SMF Lead acid batteries capable of running for a minimum of 24 hours with battery charger complete as required and conforming to BS5839 Standards and Duly Approved by EN54/LPCB as per specifications. WITH SUPPLAY LOOP CARD
13.	III	Item No. – N16.2	Supply of Intelligent Analog Addressable Type Photoelectric Type Smoke Detector Complete with Dual LED, Hard Addressable Having rotary decade Address switches from 01-99, complete with Mounting Base Complete as required Conforming to BS 5839 Standards and Duly Approved by EN54/LPCB	Supply, Installation, Testing & Commissioning of Intelligent Analog Addressable Type Photoelectric Type Smoke Detector Complete with Dual LED, Hard Addressable Having rotary decade Address switches from 01-99, complete with Mounting Base Complete as required Conforming to BS 5839 Standards and Duly Approved by EN54/LPCB
14.	III	Item No. – N16.3	Supply of Intelligent Analog Addressable Type Rate of Rise/Fixed Heat Detector Complete with Dual LED, Hard Addressable Having rotary decade Address switches from 01-99, complete with Mounting Base Complete as required Conforming to BS 5839 Standards and Duly Approved by EN54/LPCB	Supply, Installation, Testing & Commissioning of Intelligent Analog Addressable Type Rate of Rise/Fixed Heat Detector Complete with Dual LED, Hard Addressable Having rotary decade Address switches from 01-99, complete with Mounting Base Complete as required Conforming to BS 5839 Standards and Duly Approved by EN54/LPCB
15.	III	Item No. – N16.4	Supply of Intelligent Analog Addressable Type Manual Call Point having Surface or flush mounting Option fully complaint to EN54 having Rotary Decade Switches for Addressing from 01-99 complete with Back Box for Mounting Complete as required	Supply, Installation, Testing & Commissioning of Analog Addressable Type Manual Call Point having Surface or flush mounting Option fully complaint to EN54 having Rotary Decade Switches for Addressing from 01-99 complete with Back Box for Mounting



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			conforming to BS5839 Standards and Duly Approved by EN54/LPCB	Complete as required conforming to BS5839 Standards and Duly Approved by EN54/LPCB
16.	III	Item No. – O6.2	Under deck Insulation with 50 mm thick "TF" quality expanded polystyrene with 85/20 grade hot bitumen and GI screw washer & GI diagonal wires. The insulation shall be covered with 36 G Aluminium Foil as per Specification	Providing under deck Insulation with 50 mm thick "TF" quality expanded polystyrene with 85/20 grade hot bitumen and GI screw washer & GI diagonal wires. The insulation shall be covered with 36 G Aluminium Foil as per Specification
17.	III	Item No. – O 8.1	Electrical Panel For (IP 55 Rating) Ventilation Fan	Supply, Installation, Testing & Commissioning (SITC) of Electrical Panel For (IP 55 Rating) Ventilation Fan
18.	III	Item No. S5	Ground Cover	Ground Cover (Either in earth or as terracotta potted plants as directed by the Architect)
19.	III	Item No. S6	Potted Plants	Terracotta potted plants



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PRE-BID QUERRIES

SR. NO.	VO L. NO.	PA GE NO.	CHAPTER/ CLAUSE NO. / ITEM NO.	PRE-BID QUERIES RAISED BY THE PROSPECTIVE BIDDERS	CLAUSE/ SENTENCE TO BE READ AS/ CLARIFICATION
A.	II		Item no. D38,39, & 40	Fire Rated Doors. Please specify approved make.	Refer CSD – I point (1)
B.	II		Item no. E16	High Security Doors. Please specify approved make.	Please refer Volume II – Approved Makes list no. 84
C.	III		Item no. J4	Expansion Joints. Please specify approved make.	Please refer Volume II – Approved Makes list no. 76 & 77
D.	II		Item no. J22	Fire Rated evac+ Chair. Please specify approved make.	Refer CSD – I point (2)
E.	II		Item no. K17	Please specify weight of CI Manhole cover to be used.	Refer CSD – I point (8)



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SR. NO.	VO L. NO.	PA GE NO.	CHAPTER/ CLAUSE NO. / ITEM NO.	PRE-BID QUERIES RAISED BY THE PROSPECTIVE BIDDERS	CLAUSE/ SENTENCE TO BE READ AS/ CLARIFICATION
F.	III		Item no. T01	The item of rebate for structural steel is not reflected in tender BOQ of demolition items, therefore we request you to clarify the same.	The item shall be operated as per site conditions & as per the instructions of the Engineer. Measurements shall be considered for the actual works executed & rebate will be considered only for the actual dismantled steel disposed from the site.
G.	I			Performance Security- As per notification no. F.9/4/2020-PPD, Government of India, Ministry of Finance dtd. 12.11.2020 (copy enclosed), we request you to scale down performance security from 5% to 3%.	Strictly as per Tender Document.
Н.	I			Tender submission – We request you to extend date of submission of bid till 15th Jan.'2021. We have already sent a letter for the same.	Necessary corrigendum will be uploaded on e-tender website.
I.	I			EMD – As per the policy of Government of India, Ministry of Finance to support MSME, we request you to give the exemption for EMD.	Strictly as per Tender Document.



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SR. NO.	VO L. NO.	PA GE NO.	CHAPTER/ CLAUSE NO. / ITEM NO.	PRE-BID QUERIES RAISED BY THE PROSPECTIVE BIDDERS	CLAUSE/ SENTENCE TO BE READ AS/ CLARIFICATION
J.				Possession of Site – During site visit it is observed that UG tank, Toilet Block, Electrical Transformer, Structural Spectator Stand and Pump house are interrupting the plot. Therefore, we request you to clarify that the possession of site will be given in whole or in part?	The whole site will be handed over to the contractor in one part.
K.	I			Payment of RA bills – We request you to scale down payment of RA bills from 45 days to 20 days.	Strictly as per Tender Document.
L.	I		GCC44 STAFF AND LABOUR	Kindly allow space for labor camp in site premises	Strictly as per Tender Document.



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SR. NO.	VO L. NO.	PA GE NO.	CHAPTER/ CLAUSE NO. / ITEM NO.	PRE-BID QUERIES RAISED BY THE PROSPECTIVE BIDDERS	CLAUSE/ SENTENCE TO BE READ AS/ CLARIFICATION
M.	I	59	GCC69 PAYMENT DUE TO INCREASE/D ECREASE IN PRICE OF CEMENT AND/OR STEEL,	Kindly allow wastage for rolling margin @ 2% in addition to given wastage.	Strictly as per Tender Document.
N.	III		N16.1, 16.2, 16.3, 16.4 BOQ Line No A	As per Specification, Scope for Supply of material has given. Kindly confirm who will Install or we will add Installation cost in same Item?	Refer CSD – I point (12) to (15)