

GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

Renovation of Samadhi of First Chief Minister of Goa Shri. Dayanand Balkrishna Bandodkar (Bhauasaheb Bandodkar) at Miramar, Panaji- Goa.

Notice Inviting Tender No.: GSIDC/ENGG./NIT-12/2023-24 Dated 26/07/2024

CORRIGENDUM – III

Date: 27th August 2024

SR. NO	VOL NO.	CHAPTER / CLAUSE NO.	PRESENT CLAUSE / CONDITION	MODIFIED CLAUSE / CONDITION/MAY BE READ AS		
(1)	Volume No. I	Chapter 2.1 NIT Work at (A)	<ul style="list-style-type: none"> Estimated Cost (Rs.) 	9,48,75,556.61	<ul style="list-style-type: none"> Estimated Cost (Rs.) 	12,81,73,615.26
			<ul style="list-style-type: none"> EMD (Rs.) 	18,97,600.00	<ul style="list-style-type: none"> EMD (Rs.) 	22,81,800.00
			<ul style="list-style-type: none"> Cost of tender form (non-refundable) (Rs.) 	15,000.00	<ul style="list-style-type: none"> Cost of tender form (non-refundable) (Rs.) 	20,000.00
			<ul style="list-style-type: none"> Last date and time for submission of tenders 	27/08/2024 upto 15:00 hrs..	<ul style="list-style-type: none"> Last date and time for submission of tenders 	03/09/2024 upto 15:00 hrs.
			<ul style="list-style-type: none"> Date and time of opening of tenders 	29/08/2024 upto 15:30 hrs.	<ul style="list-style-type: none"> Date and time of opening of tenders 	05/09/2024 upto 15:30 hrs.
(2)	Volume No. I	Chapter 4.2 Submission of Bids 4.2.3 a)	The e-tenders shall be received online on or before 27/08/2024 upto 15:00 hrs. and will be opened on 29/08/2024 after 15: 30 hrs.	The e-tenders shall be received online on or before 03/09/2024 upto 15:00 hrs. and will be opened on 05/09/2024 after 15: 30 hrs.		
(3)	Volume No. I	TECHNICAL CRITERIA	The bidder should have valid registration for e-Tendering with GSIDC. The bidder should have in the last 7 years ending 30th June, 2024 successfully completed as a prime contractor at least one similar work of value not less than Rs.759.10 lakh or two similar works each of value not less than Rs.569.30 lakh or three similar works each of value not less than Rs.379.60 lakh . The term similar work means any Civil work with Structural frame	The bidder should have valid registration for e-Tendering with GSIDC. The bidder should have in the last 7 years ending 30th June, 2024 successfully completed as a prime contractor at least one similar work of value not less than Rs.1025.40 lakh or two similar works each of value not less than Rs.769.10 lakh or three similar works each of value not less than Rs. 512.70 lakh . The term similar work means any Civil work with Structural frame work and		

SR. NO	VOL NO.	CHAPTER / CLAUSE NO.	PRESENT CLAUSE / CONDITION	MODIFIED CLAUSE / CONDITION/MAY BE READ AS
			<p>work and glass roof system/ glazing work.</p> <p>The attested copies of original work orders (in case of non-Government works only) and completion certificates indicating the specified required works indicated as above issued by the clients should be scanned (PDF format) and submitted online along with the bid. <i>The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of e-Tenders.</i></p>	<p>glass roof system/ glazing work.</p> <p>The attested copies of original work orders (in case of non-Government works only) and completion certificates indicating the specified required works indicated as above issued by the clients should be scanned (PDF format) and submitted online along with the bid. <i>The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of e-Tenders.</i></p>

(4)	Volume No. I	FINANCIAL CRITERIA	<p>a. The bidder should have an average annual turnover of atleast Rs.284.70 lakh in the last 3 consecutive financial years. The attested copies of original Audited Profit & Loss account and original Balance Sheet statement for the last three consecutive financial years should be scanned (PDF format) and submitted online along with the bid.</p> <p>b. The bidder should have a solvency of not less than Rs.379.60 lakh from a Nationalised/ Scheduled bank <i>valid on date of opening</i>, as specified in the certificate failing which it shall be reckoned as valid for a period of one year from the date of issue of Solvency Certificate. The attested copy of original solvency certificate as specified should be scanned (PDF format) and submitted online along with the bid.</p> <p>NOTE: All the documents should be attested by Government Gazetted Officer or duly notarized.</p>	<p>c. The bidder should have an average annual turnover of atleast Rs.384.60 lakh in the last 3 consecutive financial years. The attested copies of original Audited Profit & Loss account and original Balance Sheet statement for the last three consecutive financial years should be scanned (PDF format) and submitted online along with the bid.</p> <p>d. The bidder should have a solvency of not less than Rs.512.70 lakh from a Nationalised/ Scheduled bank <i>valid on date of opening</i>, as specified in the certificate failing which it shall be reckoned as valid for a period of one year from the date of issue of Solvency Certificate. The attested copy of original solvency certificate as specified should be scanned (PDF format) and submitted online along with the bid.</p> <p>NOTE: All the documents should be attested by Government Gazetted Officer or duly notarized.</p>
(5)	Volume No. I		<p><u>MODE OF SUBMISSION OF E.M.D. WITH THE e-TENDER DOCUMENTS:</u></p> <p>1. The bidders can deposit the full EMD Rs.18,97,600.00 on or before the closing date and time of submission of tenders through online NEFT/RTGS/EPAYMENT (Internet Banking only) facility,</p> <p>i. National Electronic Fund Transfer (NEFT) / Real-Time</p>	<p><u>MODE OF SUBMISSION OF E.M.D. WITH THE e-TENDER DOCUMENTS:</u></p> <p>1. The bidders can deposit the full EMD Rs.22,81,800.00 on or before the closing date and time of submission of tenders through online NEFT/RTGS/EPAYMENT (Internet Banking only) facility,</p> <p>i. National Electronic Fund Transfer (NEFT) / Real-Time Gross Settlement RTGS) Tenderer requires to download pre-printed challan available on e-Tendering</p>

		<p>Gross Settlement RTGS) Tenderer requires to download pre-printed challan available on e-Tendering website of GSIDC and directly credit the amount to GSIDC account No. as generated by challan and upload the scanned copy of receipt of NEFT/RTGS challan along with the bid.</p> <p>ii. EPAYMENT (Internet Banking only) Tenderer can now click on the EPAYMENT link available and Payment can be made through the Internet Banking.</p> <p style="text-align: center;">OR</p> <p>2. Of the total value of E.M.D., the bidder can also deposit an amount of Rs.9,48,800.00 through online NEFT/RTGS/EPAYMENT(Internet Banking only) facility,</p> <p>i. National Electronic Fund Transfer (NEFT) / Real-Time Gross Settlement RTGS): Tenderer requires to download pre-printed challan available on e-Tendering website of GSIDC and directly credit the amount to GSIDC account No. as generated by challan and upload the scanned copy of receipt of NEFT/RTGS challan along with the bid.</p> <p>ii. EPAYMENT (Internet Banking only): Tenderer can now click on the EPAYMENT link available and Payment can be made through the Internet Banking.</p> <p>The balance E.M.D. of Rs.9,48,800.00 can be deposited in the</p>	<p>website of GSIDC and directly credit the amount to GSIDC account No. as generated by challan and upload the scanned copy of receipt of NEFT/RTGS challan along with the bid.</p> <p>ii. EPAYMENT (Internet Banking only) Tenderer can now click on the EPAYMENT link available and Payment can be made through the Internet Banking.</p> <p style="text-align: center;">OR</p> <p>2. Of the total value of E.M.D., the bidder can also deposit an amount of Rs.11,40,900.00 through online NEFT/RTGS/EPAYMENT(Internet Banking only) facility,</p> <p>i. National Electronic Fund Transfer (NEFT) / Real-Time Gross Settlement RTGS): Tenderer requires to download pre-printed challan available on e-Tendering website of GSIDC and directly credit the amount to GSIDC account No. as generated by challan and upload the scanned copy of receipt of NEFT/RTGS challan along with the bid.</p> <p>ii. EPAYMENT (Internet Banking only): Tenderer can now click on the EPAYMENT link available and Payment can be made through the Internet Banking.</p> <p>The balance E.M.D. of Rs.11,40,900.00 can be deposited in the form of Deposit at call receipt (DCR) of a Scheduled Bank guaranteed by R.B.I. or Fixed Deposit Receipt (FDR) of a Scheduled Bank valid for a period of minimum six months after the closing date of submission of tenders and pledged in favour of Managing Director, GSIDC, Panaji or Demand Draft / Banker's Cheque of a Scheduled Bank issued in favour of GSIDC, payable at Panaji or in form of Bank Guarantee in</p>
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			<p>form of Deposit at call receipt (DCR) of a Scheduled Bank guaranteed by R.B.I. or Fixed Deposit Receipt (FDR) of a Scheduled Bank valid for a period of minimum six months after the closing date of submission of tenders and pledged in favour of Managing Director, GSIDC, Panaji or Demand Draft / Banker's Cheque of a Scheduled Bank issued in favour of GSIDC, payable at Panaji or in form of Bank Guarantee in prescribed format of GSIDC issued by a Scheduled Bank guaranteed by R.B.I. which shall be valid for a period of minimum six months after closing date of submission of tenders. The scanned copies (PDF format) of DCR or FDR or DD / BC or Bank Guarantee shall be submitted online along with the bid.</p>	<p>prescribed format of GSIDC issued by a Scheduled Bank guaranteed by R.B.I. which shall be valid for a period of minimum six months after closing date of submission of tenders. The scanned copies (PDF format) of DCR or FDR or DD / BC or Bank Guarantee shall be submitted online along with the bid.</p>
(6)	Volume No. I	7.2 Contract Data GCC 50, Col II	<p>Compensation for delayed completion: Compensation at Rs.79,063.00 (Rupees Seventy Nine Thousand and Sixty Three-only) per day of delay for carrying out the works beyond the time period specified for the total completion and shall be limited to a maximum of 10% of the original contract price. If the cost of the executed work is below 25% of the original cost of the work (original contract price), then the compensation amount will be restricted to, based on actual cost of work done.</p>	<p>Compensation for delayed completion: Compensation at Rs.1,06,812.00 (Rupees One Lakhs Six Thousand and Eight Hundred Twelve only) per day of delay for carrying out the works beyond the time period specified for the total completion and shall be limited to a maximum of 10% of the original contract price. If the cost of the executed work is below 25% of the original cost of the work (original contract price), then the compensation amount will be restricted to, based on actual cost of work done.</p>

(7)	Volume No. I	SCHE DULE 'E'	<p>(Audited financial statements to be enclosed):- The bidder should have an average annual turnover of atleast Rs.284.70 lakhs in the last 3 consecutive financial years. The attested copies of original Audited Profit & Loss account and original Balance Sheet statement for the last three consecutive financial years should be scanned (PDF format) and submitted online along with the bid.</p> <p>The bidder should have a solvency of not less than Rs.379.60 lakhs from a Nationalised/ Scheduled bank valid on date of opening, as specified in the certificate failing which it shall be reckoned as valid for a period of one year from the date of issue of Solvency Certificate. The attested copy of original solvency certificate as specified should be scanned (PDF format) and submitted online along with the bid.</p> <p>NOTE : All the documents should be attested by Government Gazetted Officer or duly notarized.</p>		<p>(Audited financial statements to be enclosed):- The bidder should have an average annual turnover of atleast Rs384.60 lakhs in the last 3 consecutive financial years. The attested copies of original Audited Profit & Loss account and original Balance Sheet statement for the last three consecutive financial years should be scanned (PDF format) and submitted online along with the bid.</p> <p>The bidder should have a solvency of not less than Rs.512.70 lakhs from a Nationalised/ Scheduled bank valid on date of opening, as specified in the certificate failing which it shall be reckoned as valid for a period of one year from the date of issue of Solvency Certificate. The attested copy of original solvency certificate as specified should be scanned (PDF format) and submitted online along with the bid.</p> <p>NOTE : All the documents should be attested by Government Gazetted Officer or duly notarized.</p>		
(8)		A1	Demolishing cement concrete 1:3:6 or richer mix including disposal of material within 50 m lead.	Quantity: 41.06 Cu.m.	A1	Demolishing cement concrete 1:3:6 or richer mix including disposal of material within 50 m lead.	Quantity: 61.00 Cu.m.
(9)		A2	Demolishing R.C.C. work including stacking of steel bars & disposal of unserviceable within 50 mts. lead.	Quantity: 140.79 Cu.m.	A2	Demolishing R.C.C. work including stacking of steel bars & disposal of unserviceable within 50 mts. lead.	Quantity: 153.48 Cu.m.
(10)	Volume	A5	Dismantling steelwork in built up sections in angles, tees, flats and channels including all gusset plates bolts, nuts, cutting dismembering and staking within 50 mts. Lead.	Quantity: 5.52 qtl.	A5	Dismantling steelwork in built up sections in angles, tees, flats and channels including all gusset plates bolts, nuts, cutting dismembering and staking within 50 mts. Lead.	Quantity: 55.20 qtl.

(11)	No. III	A12 b	Rebate for taking all types of steel items including carting away, loading, unloading etc. complete	Quantity: 664.82 Kg.	A12 b	Rebate for taking all types of steel items including carting away, loading, unloading etc. complete.	Quantity: 5633.01 Kg.
(12)		B7	Disposal of excavated earth/murum, unserviceable dismantled material such as moorum, lime, stones, sands, concrete, building rubbish etc. by tipper truck including loading, unloading and stacking upto a distance of 10km. (place of disposal to be identified and necessary permissions to be obtained by contractor)	Quantity: 800.92 Cu.m.	B7	Disposal of excavated earth/murum, unserviceable dismantled material such as moorum, lime, stones, sands, concrete, building rubbish etc. by tipper truck including loading, unloading and stacking upto a distance of 10km. (place of disposal to be identified and necessary permissions to be obtained by contractor)	Quantity: 833.54 Cu.m.
(13)		F2	Steel work in single sections (SAIL, TATA. VIZAG & using electrodes of Ador or ES4B or Deh Secheron make only) including cutting, hoisting fixing in position and applying a priming coat of red lead paint. - In flats of all sizes	Quantity: 162.51 qtl	F2	Design, Supplying, fabricating and erecting in position Staging, Scaffolding inside and outside of pyramid structure, with all tools & machinery for erecting structural steelwork/ built-up sections, hollow sections, girders, Stainless Steel framework, welding /bolting for all types of columns, beams, bracings, inserts, stiffeners, plate girders, cladding runners, staircases, railing, Spider Glazing System, cat walk structural glazing Semi Unitized system, Laminated GLASSES, Glass Canopy system, Glass roof system, etc as per drawing, alignment, levelling, and all other miscellaneous work as specified and as shown on drawings and/or as directed by the Engineer In Charge including all materials, labours, tools, cranes, plant, machineries, consumables etc. and to be kept in position till all the completion of work. The quote rate shall include all design, engineering & shop drawing	Quantity: 1.00 Job

						approved by Engineer in charge. Quote rate for complete system as lifting, shifting and loading, unloading, with required tower crane, chain pulley, etc installation, and removal of the staging, scaffolding all over after completion of work. Contractor to submit shop drawings for scaffolding including fixing details, joint details, cutting lengths, etc. Erection shall be over land. Erection shall be carried out as per approved erection scheme and shop drawing to be approved by engineer in charge. Contractor shall study the access to site by visiting the site before quoting.	
(14)	F3	Supplying, fabricating and erecting in position structural steelwork as per drawing, alignment, levelling, welding /bolting for all types of columns, beams, bracings, inserts, stiffeners, plate girders, cladding runners, staircases, railing, etc. including threading, nuts, washers etc, and all other miscellaneous structural steelwork as specified and as shown on drawings and/or as directed by the Engineer In Charge including all materials, labours, tools, cranes, plant, machineries, consumables etc including supplying and fixing connection/erection bolts conforming to property class 8.8 (precision/			F3	Supplying, fabricating and erecting in position structural steelwork as per drawing, alignment, levelling, welding /bolting for all types of built-up sections, tubular (round, square or rectangular hollow tubes etc.), columns, beams, bracings, inserts, stiffeners, plate girders, cladding runners, staircases, railing, etc. including threading, nuts, washers etc, and all other miscellaneous structural steelwork as specified and as shown on drawings and/or as directed by the Engineer In Charge including all materials, labours, tools, cranes, plant, machineries, consumables etc including supplying and fixing connection/erection bolts conforming to property class 8.8 (precision/	

		<p>semi-precision type) nuts, washers, fittings, fixtures etc. Complete in all respect. Blast cleaning to SA 2 1/2 standard and cleaning with dry cloth. Protective coating shall be ZINC ALUMINIUM METALLISATION. This shall comprise of application of Zinc (85%),Aluminium (15%) spray applied alloy with sealer coat (150 microns zinc aluminium coating + 5-10 microns sealer coat) . Metallisation shall be as per techinal specifications. All fabrication works shall be carried out in fabrication shops/yard to be approved by client/ consultant. Contractor to submit shop drawings based on line drawings of all structural works including fixing details, joint details, cutting lengths, etc. Erection shall be over land. Erection shall be carried out as per approved erection scheme Contractor shall study the access to site by visiting the site before quoting. and provide shop drawing and same has to approve by engineer incharge.</p>			<p>semi-precision type) nuts, washers, fittings, fixtures etc. Complete in all respect. Blast cleaning to SA 2 1/2 standard and cleaning with dry cloth. Protective coating shall be ZINC ALUMINIUM METALLISATION. This shall comprise of application of Zinc (85%), Aluminium (15%) spray applied alloy with sealer coat (150 microns zinc aluminium coating + 5-10 microns sealer coat). Metallisation shall be as per technical specifications. All fabrication works shall be carried out in fabrication shops/yard to be approved by client/ consultant. Contractor to submit shop drawings based on line drawings of all structural works including fixing details, joint details, cutting lengths, etc. Erection shall be over land. Erection shall be carried out as per approved erection scheme Contractor shall study the access to site by visiting the site before quoting. and provide shop drawing and same has to approve by engineer in charge.</p>	
(15)		<p>Plate girders, Gusset Plates, Stiffners, Plates, mast Plates, Circular section, hollow sections and Bracing of IS 2062, E250 (Fe 410 W) .</p>	<p>Quantity: 84791.85 kg</p>		<p>Plate girders, Gusset Plates, Stiffners, Plates, mast Plates, Circular section, hollow sections and Bracing of IS 2062, E250 (Fe 410 W) .</p>	<p>Quantity: 83933.54 kg</p>

(16)		<p>F4 Supply and installation in position of Stainless Steel framework of 316 grade as per drawing using seamless hollow section tubes of with argon welding, grinding, finishing, fitting the same with necessary accessories stainless steel, on the top of the floor or the side of waist slab with suitable arrangement as per drawing, accessories such as nuts, bolts, and fasteners etc complete.</p>	<p>Quantity:14310.94 kg</p>	<p>F4</p>	<p>Supply and installation in position of Stainless Steel framework of 316 grade as per drawing using seamless hollow section tubes of with argon welding, grinding, finishing, fitting the same with necessary stainless steel accessories such as nuts, bolts, and fasteners, etc with suitable arrangements, etc complete. Contractor to submit shop drawings based on line drawings for all works and approved by Engineer in charge.</p>	<p>Quantity:14493.30 kg</p>
(17)		<p>F5 Providing and fixing (S.S railing with glass)-side mounted with SS 316 grade,900mm high railing and handrail pipe pipe of 50mm OD and 1.6mm thickness polish supported on baluster at required spacing , fitted with four nos, sold glass connectors for holding the infill glass of 12mm thick toughened and laminated , glass connector to be fuitted with baluster with the help of SS screwa overall mounted on S.S 316 grade solid base plate 100mmx8mm with the help of dash fastener.</p>	<p>Quantity:3373.94 kg</p>	<p>F5</p>	<p>Providing and fixing Stainless steel (Grade 316) railing made of Hollow tubes, channels, plates etc, 1200mm high railing using baluster 16G and top handrail round pipe of 50mm dia in 16G polish in mirror finished, with hairline finish, including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per drawing, as approved by Engineer in charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as</p>	<p>Quantity: 3463.63 kg</p>

						nuts, bolts, fasteners etc.)	
(18)		F6	Design, supply, fabrication and installation in position glass system fixed to Structural Steel pyramid made up of low E laminated glass of 13.52 mm thick (Laminated GLASS 6mm+1.52 PVB+6mmThk) Clear Toughened Glass. connected with SS316 stud, bush Kinglong/ Stanum , TF11X -Roulet, TF11-06 washer, DP-BS Washer 35x14.5 with Masking tape1.1/2" , including of Transport, labours, breakage of Glass, weather proof Dowsil /Momentive /meriseal silicone, scaffolding, stagging with all tools & machinery complete as per drawing and direction of the engineer incharge.(The system should be designed to with stand the wind pressure confirming to IS 875-1987 (Part III). All the glass expansion joints/holes to be sealed weather sealed. The cost includes all labour,materials, bolts and nuts tools,tackles, hoisting machine, equipements, transportations, etc complete.	Quantity:1236.70 sqm	F6	Design, Fabrication, Supply, Installation of Spider Glazing System including Glass system made up of low E laminated glass (ET 125 - 8mm +1.52 PVB + 8mmThk Clear Toughened Glass).(LAMINATED GLASS TOTAL THK 17.52) Clear Toughened Glass, custom designed to with stand the Design wind pressure of 1.52 Kpa confirming to IS -875 part III. (The system must pass the proof test at 1.5 times design wind pressure). The spider glazing system shall be of Stainless steel 1 way, 2 way and 4 way spiders of grade 316 from (Kin Long/Ozone/Dorma make of SS finish assembly supported on M.S / STRUCURE Work. Held by SS STUD, with routel articulate bolt, all in line with drawing and including Design, supply, fabrication and installation in position glass system made up of low E laminated glass (ET 125 - 8mm +1.52 PVB + 8mmThk Clear Toughened Glass).(LAMINATED GLASS TOTAL THK 17.52) Clear Toughened Glass. connected with kinlong/stanum/Ozone/Dorma make spider fittings Including of cost of Transport, labours, breakage of	Quantity:1088.50 sqm

						<p>Glass, weather proof Dowsil /Momentive /meriseal silicone, complete as per drawing and direction of the engineer incharge. (The system should be designed to with stand the wind pressure confirming to IS 875-1987 (Part III). All the glass expansion joints/holes to be sealed weather sealed. The cost includes all labour, materials, bolts and nuts tools, tackles, equipments, transportations, etc. complete. The spider arms must be designed to take all loadings applied to it and to allow flexibility to reduce the stress around the glass holes.</p>	
(19)						<p>Design shall accommodate Glass movement of 15mm at the at Top and bottom & rate shall include with, Clear weather sealants for groove of Dow Corning DC 789 or approved make, Teflon/ nylon bushes & separators to prevent bi PVC contacts, all in complete required to perform as per drawing in conjunction with BOQ. The Top, Bottom & sides of Glass Facade shall be fixed by Spider, Weather Sealant & Backer rod with the help of SS 316 grade Screws all in line with Shop drawing. The quote rate shall include all design, engineering & shop drawing approved by Engineer in charge. All glass joints shall be 10-15 mm minimum between glass to glass and at perimeters 12-15 mm for</p>	

						expansion and sealing. End glass profile at perimeter for accommodating structural tolerances and weather seal. The quote rate shall include statutory and safety code compliance. Quote rate shall be for complete spider fitting system including glass. Contractor to submit shop drawings based on line drawings for all works and approved by Engineer in charge.		
(20)	F7	Design, supply, fabrication and installation in position exterior Grade Glass Canopy fixed over structural hollow section , glass system made up of low E laminated glass of 13.52 mm thick(Laminated GLASS 6mm+1.52 PVB+6mmThk) Clear Toughened Glass. connected with kinlong/stanum spider fittings, bush Kinglong/ Stanum SS316 Spider Fittings, Spider 200A4 Brush, spider 200A1 Brush and Spider 200A2 Brush, TF11X -Roulet, TF11-06 washer, DP- BS Washer 35x14.5 with Masking tape1.1/2" and Backer Rod 12mm, (without Ceramic coat 50% on glass, metal stud. Including of Transport, labours, breakage of Glass, weather proof Dowsil /Momentive /meriseal silicone, scaffolding, stagging, with all tools & machinery complete as per drawing and direction			F7	Design, supply, fabrication and installation in position exterior Grade Glass Canopy fixed over structural section, glass system made up of low E laminated glass of 13.52 mm thick (Laminated GLASS 6mm+1.52 PVB+6mmThk) Clear Toughened Glass. connected with kinlong/ozone/dorma spider fittings, bush Kinglong/ Stanum/ Ozone/Dorma make SS316 Spider Fittings, Spider 200A4 Brush, spider 200A1 Brush and Spider 200A2 Brush, TF11X -Roulet, TF11-06 washer, DP- BS Washer 35x14.5 with Masking tape1.1/2" and Backer Rod 12mm, metal stud. Including of Transport, labours, breakage of Glass, weather proof Dowsil /Momentive /meriseal silicone, scaffolding, staging, with all tools & machinery complete as per drawing and direction of the engineer in charge.(The system should be designed to with stand the wind pressure confirming to IS 875-		

			of the engineer incharge.(The system should be designed to with stand the wind pressure confirming to IS 875-1987 (Part III). The cost includes all labour,materials, bolts and nuts tools,tackles, hoisting machine, equipements, transportations, etc complete				1987 (Part III). The cost includes all labour, materials, bolts and nuts tools, tackles, hoisting machine, equipments, transportations, etc complete. Contractor to submit shop drawings based on line drawings for all works and approved by Engineer in charge.		
(21)						F10	Design, Supply and Fixing of cat walk structural glazing Semi Unitized system with custom designed to with stand the design wind pressure confirming to IS - 875 part III. With M.S insert with metallization, Aluminium profile & Silicon with gaskets in unexposed grooves and microwave cured EPDM gaskets in unexposed area, structural and weather sealants with Spacer tape, backer rod, bracketing system on MS designed to accommodate three dimensional movements, 4/5mm thk shims, if required S.S grade fasteners and anchor bolts, pvc separators to prevent bi-metallic contacts, Semi Unitized and the building structure all complete required performing as per specification. The system design shall be with no aluminum exposed to outside. The system design shall include pressure equalization with, drainage provisions, center panel shall have pressure release slots & condensation drainage provisions, stack joint	Quantity:148.20 sqm	

							to accommodate building movements, thermal expansions and the seismic movements. All metal joints in the wet area shall be small joint sealant applied to ensure water tightness. Cost shall be included in system design. Section 120X55x1.5mmThk. Contractor to submit shop drawings based on line drawings for all works and approved by Engineer in charge.	
(22)						F11	Design, supply, fabrication and installation in position glass system made up of low E laminated glass (ET 125 - 8mm +1.52 PVB + 8mmThk Clear Toughened Glass). (LAMINATED GLASS TOTAL THK 17.52) Clear Toughened Glass. connected with kinlong/stanum spider fittings Including of cost of Transport, labours, breakage of Glass, weather proof Dowsil /Momentive /meriseal silicone, complete as per drawing and direction of the engineer incharge. (The system should be designed to with stand the wind pressure confirming to IS 875-1987 (Part III). All the glass expansion joints/holes to be sealed weather sealed. The cost includes all labour, materials, bolts and nuts tools, tackles, equipments, transportations, etc complete. Contractor to submit shop drawings based on line drawings for all works and approved by	Quantity: 148.20 sqm

						Engineer in charge.	
(23)						F12 Providing and fixing Stainless steel (Grade 316) railing (S.S railing with glass) made of Hollow tubes, channels, plates etc, 1200mm high railing using baluster 16G and top handrail round pipe of 50mm dia in 16G polish in mirror finished, with infill of (ET 125 - 6mm +1.52 PVB + 6mmThk Clear Toughened Glass).(LAMINATED GLASS TOTAL THK 13.52), fitted with four nos solid glass connectors for holding the infill glass, glass connector to be fitted with baluster with the help of SS screws overall mounted on SS 316 grade solid base plate 100mmx8mm with the help of dash fastener, with hairline finish, including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per drawing and as approved by Engineer in charge.	Quantity: 68.10 rmt
(24)						F13 Providing & fixing of Aluminium cover cap with drainage slots and pressure plate with Epdm Gaskets S.S grade screw as per size, cover cap pressure plate	Quantity: 872.00 rmt

							size 18mm x 57mm as per requirement, etc complete. Finish PVDF coating color as approved by Engineer in charge. Contractor to submit shop drawings based on line drawings for all works and approved by Engineer in charge.	
(25)						F14	Maintenance of the newly renovated Samadhi of First Chief Minister of Goa Shri. Dayanand Balkrishna Bandodkar (Bhausahab Bandodkar) at Miramar, Panaji- Goa i.e. Cleaning of the pyramid structure inside and outside, including the Structural steel framework, Structural steel members, Stainless Steel framework, Staircases, railings, Spider Glazing System, cat walk structural glazing Semi Unitized system, Glass facades, pyramid slant glazing internal and external façade, Laminated Glasses, Glass Canopy system, Glass roof system and the surrounding areas by deploying the required labours, and erecting in position the required Staging, Scaffolding, including all required materials, tools, cranes, plant, machineries, flexible pipes, pumps, consumables etc including cost of water, electricity, etc. periodically once in six months for a period of 3 calendar years from the date of completion of work certified by the Engineer in charge to keep the	

							Samadhi, Pyramid structure and surrounding areas neat and clean. Including submission of maintenance reports.		
(26)						a)	First Year	Quantity: 1.00 Job	
(27)						b)	Second Year	Quantity: 1.00 Job	
(28)						c)	Third Year	Quantity: 1.00 Job	
(29)		G1	Marble tiles in risers of steps, skirtings, dado, walls and pillars laid on 12 mm (average) thick base of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete . Plain white makrana marble slab 25 mm thick			G1	Providing and laying white marble stone slab laid in risers of steps, skirting, dado and pillars laid with 3 mm thick cement based high polymer modified quick-set tile adhesive (water based) conforming to IS:15477, using 5 kg. adhesive per sq.m of tile area, in average 3 mm thickness and filling joints with white cement including polishing complete with:(Quality of 16 mm thick makrana white marble stone shall be in the range from Rs 7500-8000 per Sq.m.)		
(30)		H10	Applying PU Painting of marine grade with 2 coat of primer and 3 coats of PU paint -(of approved make) shade, design, etc. including staging with all leads and lifts as per site condition, complete as per Engineer	Quantity: 1348.07 sqm		H10	Providing and Applying PU Painting of marine grade with 2 coat of primer and 3 coats of PU paint (of approved make) shade, design, etc. including staging with all leads and lifts as per site condition, complete as per Engineer	Quantity: 1451.52 sqm	
(31)						K62	Supplying and erecting LED Strip light of length 5m, 9 W/m IP20 class having minimum lumens output of 900 Lumens/m, min. efficacy of 100 lumen/W, CRI>90, CCT from 2500K to 5000K, Beam Angle of	Quantity: 120.00 Each	

							110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs at L70B50 including driver and flexible aluminium cove profile with diffused plastic cover complete as required.	
(32)						K63	Supplying and erecting LED Strip light of length 5m, 14 W/m IP20 class having minimum lumens output of 1400 Lumens/m, min. efficacy of 100 lumen/W, CRI>90, CCT from 2500K to 5000K, Beam Angle of 110 deg., THD<10%, p.f. >0.95, operating range of 230-270V, Life class of 30,000 Hrs at L70B50 including driver and flexible aluminium cove profile with diffused plastic cover complete as required.	Quantity: 25.00 Each
(33)						K64	Supplying and erecting LED Wall washer 60W, 4070lm, 3000K warm white, housing made up of cast corrosion - resistant aluminium powder coated, hinge with internal wiring, 90d tilt, mounting plate rotatable through 340d, 2 cable entries with terminal block, Light round head with safety glass, Internal anti-glare cone, polymer, black lacquered. Protection mode IP65: dust-proof and water jet-proof. Housing temperature 51°C, CRI >90, Beam Angle Wall wash, THD<10%, p.f. >0.95, control gear operating range of 230-270V, Life class of 50,000 Hrs at L70B50 complete with mounting bracket & accessories.	Quantity: 24.00 Each

(34)						<p>K65</p> <p>Supplying and erecting LED Flood Light 55W, 4203lm, 3000K warm white, housing made up of cast corrosion - resistant aluminium powder coated, hinge with internal wiring, 90d tilt, mounting plate rotatable through 340d, 2 cable entries with terminal block, Light round head with safety glass, Internal anti-glare cone, polymer, black lacquered. Protection mode IP65: dust-proof and water jet-proof. Housing temperature 51°C, CRI >90, Beam Angle Wide Flood, THD<10%, p.f. >0.95, control gear operating range of 230-270V, Life class of 50,000 Hrs at L70B50 complete with mounting bracket & accessories.</p>	<p>Quantity: 20.00 Each</p>
(35)						<p>K66</p> <p>Supplying and erecting exhaust fan heavy duty 230 V A.C. 50 cycles 450 mm. 900 RPM complete erected in position as per specification no. FG-FN/EXF</p>	<p>Quantity: 2.00 Each</p>