Part-II				
Price Bid				
Design, Engineering, Patterning, Fabrication, Supply & installation in Position of Tensile Membrane structure for Parking shed at NABARD House Residential Quarters, Bandra Kurla Complex, Mumbai-400051				
S.No.	Description	Qty.(sqmt.)	Rate	Amount
1.	Designing, Engineering, Patterning, Fabrication, Supply & Installation of Tensile Car parking Shed: Engaged contractor required to provide the Design as per the specification for NABARD's approval prior executing the work. The work shall be executed as per following manner: a. Column for parking shall be grouted into the earth for better stability up-to minimum 1.5 feet for that the earth work is to be excavated, including dressing of sides and ramming of bottoms, including getting out the excavated soil and disposal of surplus excavated soil out of the premises at designated location by the local authority as directed, by the NABARD (All kinds of soil). b. Further, excavated portion shall be Provided and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 cement: 2 coarse sand derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources). c. Design, Engineering, Patterning, Fabrication, Supplying & installation in position of Tensile Membrane Structure for parking shed as per detail specification indicated below (including all bye works & accessories including foundation bolts). The fabrication, assembling , painting, hoisting, erecting and placing in position MS built-up section/Tubular structure(MS built-up section: Rolled section and plates conforming to IS 2062 minimum required grade E250, Tubular structure: made from steel hollow section, ISI marked from TATA/ APPOLO/ SAIL, conforming to IS 1161/ 4923, minimum required grade YST 310) in the profile shaped as per approved drawing with special plate connector, pinion joint, plate hollow section etc. providing smooth 3 dimensional curvature, welding process should be smooth with special plate connector, pinion joint, plates, hollow section to all the height, tools and plants and necessary scaffolding etc. required for all operation involved. The structural members shall be painted with 350 DFT anti-corrosive protection	140		

	coating using primer of approved make with two coat of Epoxy primer 125 micron (Each coat) thick and final coat of polyurethane paint 100 micron thick (to be applied in two coats) up-to all heights including preparation of the surface by copper slag blasting before application of primer/ Paint as per SA2.5 standard. The item shall be executed as per approved drawings. Specification & direction of the NABARD complete. (Detailed design and engineering drawing of structure should be provided by the agency before executing the work). Minimum Size of the members are tabulated below : i. Column : 139 OD, 4 mm thick ii. Arch : 89 OD, 3.5 mm thick iii. Rafter : 76 OD, 3 mm thick iv. Purlin : 76 OD , 3 mm thick v. Base plate : 350 x 350 x12, 12 mm thick vi. Other accessories bye works & accessories including foundation bolts etc. **Colum shall be placed at a maximum distance of 14 feet with minimum ground clearance of 8 feet at the edge and 10 feet at the centre (as mentioned in the indicative design).** d. The structure shall be made of M.S. pipes of approved size/make, fixed with required base/gusset plates, brackets as per approved design and also the elongation systems, draped with 900 gsm, water-proof, washable, fire retardant, dust repellent and mildew resistant Tensile Membrane Teflon Coated PVDF material. Including designing and fabrication of structure, providing required scaffolding and painting to the entire exposed surface to structure with High Quality P.U. paint, doing customized patterning of PVDF material, fixing of PVDF material over the structure, cost of transportation, loading and unloading etc. Providing, Fabricating, assembling, & erection of Pre-stressed Tensile membrane fabric structure in Car Parking shed as per approved drawings (specimen is attached), of make with Mehler texnologies Valmex Type III or Serge Ferrari TX30 Type III fabrics or equivalent having a minimum weight of 900 GSM having Weldable PVDF lacquer on both sides, Colour of the fabric should be white. **Conditional Warranty of 10 years on the fabrics**, over steel frame with all fittings and fixtures such as galvanised MS strands/ Cables with stainless steel End			

	terminals complete as per instructions of NABARD. Rate includes cost of fabric, shop drawing, patterning, forming, cutting, fabrication, hot weld stich of fabric, transport to the site, assembling & installation etc. with GI cable, hardware, aluminium flat, ETDM gasket and required accessories where-ever required complete up to all heights, tools & plants & necessary scaffolding etc required for all operation in all respect as per direction of Engineer-in-Charge (Actual plan area of Car Parking shed shall only be measure for payment) **Note : (Payment shall be made as plan area of the car parking covering done by Membrane in Sqmt.)**			
2.	Total			
3.	CGST @ 9%			
4.	SGST @ 9%			
5.	Grand Total			