



पनवेल महानगरपालिका
ता.पनवेल, जि.रायगड



जाहीर निविदा दरपत्रक

आयुक्त,पनवेल महानगरपालिका हद्दीतील खारघर येथील प्लॉट-१०A, सेक्टर-६ येथे खेळाचे मैदान विकसित करणे. या कामाचे अंदाज पत्रक बनविण्याकरीता खालील नमूद केलेल्या बाबींन करीता खालील नमूण्यात दर मागविण्यात येत आहे

अ.क्र	कामाचे नाव	मुदत
1	पनवेल महानगरपालिका हद्दीतील खारघर येथील प्लॉट-१०A, सेक्टर-६ येथे खेळाचे मैदान विकसित करणेकामी काही बाबींचे अंदाजपत्रक बनविण्याकरीता बाजारभाव प्रमाणे दर मागविणेबाबत.	०२/०६/२०२६ ते ०६/०६/२०२६ (०७ दिवस)
SR. NO.	DESCRIPTION OF WORKS	UNIT
1	ROOF	ठेकेदाराने द्यावयाचा दर रक्कम रु. (GST वगळून)
1.1	Design, Supply and fixing of Built at site double skin insulated Roof Systems with top sheets in Aluminum Standing Seam roof with curvature meeting the geometry of the building. The systems shall comprise of following layers : a) Outer sheets : Supply and fixing of Standing Seam Aluminium 3000 series alloy with yield strength of 180 MPa in 0.90mm TCT with permanently colour coated in a continuous coating line with pre-treatment / conversion applied through dip process, applied with special flexible primer (non epoxy) on both surfaces (each of avg. DFT 5 micron), followed by a finish coat of of avg. DFT 20 microns using Super Polyester paint systems (Mill MTC shall be provided for paint) on the exposed surface and special polyester paint in mill standard grey shade to an avg. DFT 5 micron on the unexposed surface. The total coated thickness of the metal, inclusive, primer and finish coats shall be 0.50mm TCT(Tolerances applicable). The coating, when tested in independent laboratory shall meet AS 2728 Class 3 specifications. The profile shall be 400 – 550mm width with depth not less than 60mm. Fixing Arrangement :Aluminium clip shall be used with thermal pad. The fixing of the sheets shall be done thru hand seamer and then with mechanical zipper. Insulation : 50mm thick Rock wool insulation 48 Kg/cum density in slab form with one sid aluminium foil facing towards outer sheets shall be placed in between sub girt i.e below Outer sheets.. b) Sub girt : 1.5mm thick Galvanised Sub girt in form of Zed or Hat shaped shall be placed to support the outer sheets. The non metallic brackets / Aluminium clips shall be placed/fixing on Sub girt with SDST wafer head screws. c) E Board Shall be 10mm thick laid above Vapour barrier. d) Vapour Control Barrier : The vapour control layer to reduce the movement of water vapor from inside the building through the roof construction to reduce the risk of condensation shall consists polythene bubble pack reflectivity of 95%, emissivity of 0.05 and basic composite weight of 270 + 10 gsm to be laid continuous across over inner sheets the surface shall be fully sealed at all laps, perimeters, penetrations to ensure effectiveness. e) Inner Sheets : The base metal shall be hot dip galvanised steel with 120gsm of zinc coating mass as per IS 277. The sheets shall be permanently colour coated in a continuous coating line with pre-treatment / conversion by dip process, applied with Pu/Epoxy/Polyester) on both surfaces (each of avg. DFT 5 micron), followed by a finish coat of of avg. DFT 20 microns anti dirt paint system on the exposed surface and special polyester paint in mill standard grey shade to an avg. DFT 5 micron on the unexposed surface. The total coated thickness of the metal, inclusive of galvanising , chemical treatment, primer and finish coats shall be 0.50 mm (Tolerances as per IS 513). The coating shall meet the class of IS 14246. The profile shall have an coverage not less than 1000mm with depth of 30mm minimum. The sheets shall be fixed with SDST screws having an in built EPDM washers conforming to AS 3566 class 3. The thread per inches shall be based on roof purlin thickness and screws shall be sourced accordingly All the laps, Joints etc shall be filed with silicon sealant as per manufacture's recommendation. The sheets shall be supplied in single length from eaves to ridge level or minimum lap for sheets shall be 150mm. The cost shall include material, labour, screws, sealant, transport, loading, unloading , cutting and wastages. No additional payment shall be made in any account whatsoever nature. The sheeting measurement shall be as per IS 1200 part XI. The quoted rate shall be inclusive of all duties , taxes for supply of material, colour coating, profiling, clips cutting, wastages, laps , supply of fixtures/ fasteners, sealants, storage of material, loading, unloading, equipment, labour supervision for nstallation, and preparation and submission of sheet layout drawings etc. All complete including double scaffolding at all heights as per tender detail drawings and as per approved 1.2 Flashings in girth 0 to 600mm in std length of 3000mm for roofing same material and thickness as outer sheets where it will be used and same material and thickness of Inner sheets if connecting with Inner sheets.	Sq.m
1.3	Design , Fabrication , supply and erection of PEB Structure as per below details : a) BUILDING GEOMETRY : Width: 23.53m o/o Width Module: AS per Drawings Length: 53.80m0/0 Bay Spacing: As per drawings Eave Height: As per drawings Slope: As per drawing End Wall Condition: Light Frame Considering no future Expansion	R.mt M.T.
	Design, Supply, Fabrication and Erection of PEB shed in curve shape using Bult up frames considering following parameters :	

	<p>1. Material :2. Built up frames with cleats and flange brace. All built up frames. Hot rolled plates conforming to ASTM A-572 Gr50 (345Mpa) steel, minimum thickness of 4 mm. The plates are joined together on one side of the web by a continuous welding process to produce the section required. Primary Members shall be treat with copper slag blasting and have 80 microns DFT, Epoxy DTM Paint in approved standard shade. Hot rolled sections complying with IS:2062 (240 MPa) steel. Diagonally Single Side full welding is considered. Welding will be as per AWS. American Welding Society (AWS D1.1.98) Structural Welding Code – Steel.3. Galvanised Cold formed Purlins and Girts in Z275 GSM, 345 Mpa YS.4. Angle Bracing, Rod Bracing, ERW Pipes Sections are mill formed sections conforming IS 1239 for 240 MPa yield.5. Zinc plated Connection Bolts for Primary structural connections are high strength machine bolts conforming to ASTM A325, Gr. 8.8. Purlins and girts are connected to their supporting members by machine bolts Gr. 4.6 steel conforming to IS 1363.6. Anchor Bolts shall be Rods conforming to IS:2062 or equivalent with a minimum yield strength of 250 MPa.7. Zinc plated Sag Rods 12mm dia are made of steel bars conforming to IS:2062 with a minimum yield strength of 240 MPa.8. Flange Braces & Gable Angles : Physical specifications of IS 2062 with minimum yield strength of Fy 250MPa. Angles of minimum size 35mm x</p>		
<p>* * *</p>	<p>C. CONSIDERATIONS : 1. Brickwork is 3.6m high with a 150mm overlap of cladding (refer to wall conditions in building specifications). 2. Boom lifts should be used for all erection and lifting purposes. 3. Deflection criteria must be followed as per the Structural DBR. 4. Staad design Analysis shall be provided with GA drawings and column reaction for designing of footing. b) Stability Certificate shall be submitted after completion of work. c) Codes and Standards to be followed for PEB i) For Design of Steel Structure IS800-2007 ii) Design of Cold Form IS801-1975 (Reaffirmed 2021) iii) Live Code - IS875 Part 2 iv) Wind Load - IS 875 Part 3 9. Code for Seismic Design IS1893-2016 (Latest 2025)</p>		
<p>2</p>	<p>PT BEAM & SLAB All charges for design, supply, installation and post tensioning in slab/beams as per the technical specifications</p>		
<p>2.1</p>	<p>A Design Codes- The design is in accordance with IS:1343-2012, IS 456, BS8110: The Structural Use of Concrete, 1997 and TR43. B Pre - Stressing System & Materials- 1. UCON PT Post-tensioning Bonded System. 2. Friction parameter: $m = 0.2/\text{rad}$; Wobble factor: $K = 0.003/\text{m}$ 3. Wedge draw-in = 6.0 mm A). Strand- 0.5" diameter 7-wire low relaxation non-coated bare strand to IS: 1343-2012, IS 456, BS8110: The Structural Use of Concrete, 1997 and TR43 or relevant international codes. B) Anchorages -UCON PT post-tensioning system, incorporating bonded, head & dead end anchorages. C) Sheathing -Galvanized steel strip ducting. D) Grout- Cementitious grout with additive. 28-day strength at 32 N/mm² with maximum water cement ratio of 0.45. C Design Criteria-A)Concrete = 35 N/mm² ; Steel Fe 500B) Serviceability Classification = Post-tensioning Class 3C) Fire rating = 2.0 hoursD) Column : Stiffness : $M/bh^2 \leq 4.0 \text{ N/mm}$: Dimension : As per conforming to attached drawingsE)Loading Conditions : All lateral loads are resisted by shear and core walls.F) PT option: PT Beam Slab / PT Beams.PT Beam Sizes: As per the attached drawings.G) Design Loadings: As per the</p>	<p>Sq.m & R.mtr</p>	
	<p>SCOPE OF WORKS:- 1. Supply of High Tensile Steel (12.90 mm dia Strand) 2. Supply of Post Tensioning Anchorages, GI Ducts (0.30 mm thick), Wedges with Consumables. 3. Installation of Strands, Ducts, Anchor blocks and Wedges. 4. Stressing of Tendons with UCON PT's equipments. 5. Grouting of the Tendons with UCON PT's Grouting Pump. 6. Providing required Qualified Engineers, Technicians & Labours for PT Works. 7. Supply of Cement for Grouting at slab level (OPC 53 grade) 8. Supply, fabrication and fixing of Bursting Links 9. Supply & fabrication of Chairs for Tendon supports 10. Fixing of Tendon supports 11. Supply of Admixtures for Grouting 12. Filling of Recess pockets left out for stressing 13. Covered space for storing the PT materials and Equipments 14. Providing working platform for stressing (Min.750 mm from the face) 15. Power supply as per UCON PT's requirement in all working areas at site, equipments and stores (15 HP) 16. Providing Potable Water for Grouting 17. Submission of shop drawings to consultant 18. Submission of as built drawings on completion of work 19. Insurance for UCON PT's workmen and Materials 20. Lifting & Shifting arrangements for materials & equipments</p>		

3		ALUMINUM FINS	
3.1	Supply and Installation of Vertical fins using 100 x 100 X 1.8 to 2.0 mm T4 - 6063 aluminium Square box section (c/c - as per drawing) with approved Powder Coating finish of Jotun/Akzonobel make at duct area of the elevation as mentioned in the architectural drawings. The system shall be fixed using stainless steel throughbolt of M8/10 x 75/100 thickness at regular distance considering the load of the structure. All the fixing and joinery shall be cleated using SS screws. The facade shall be alligned from level zero till the top in one lone using proper plumb method		

वर नमूद सुचित दर्शविलेल्या बाबींचे पुरवठा करणारे पुरवठादार/दुकानदार/उत्पादक/विक्रेते यांनी नमूद केलेल्या बाबींकरिता असलेले दर स्व:च्या लेटरहेडवर महापालिकेच्या कार्यालयात अथवा ई-मेल व्दारे pmcdeputyengineer२०२४@gmail.com/ panvelcorporation@gmail.com यावर दिनांक २९/०६/२०२६ पर्यंत पाठवावे ही विनंती, सदर दर हे अंदाजपत्रक तयार करणेसाठी गृहित धरणेत येणार आहेत.

या कामी अटी व शर्ती खालील प्रमाणे-

१. संस्था नोंदणी प्रमाणपत्र.
२. पॅनकार्ड (संस्थेचे नाव अथवा मालकाचे नाव)
३. नमूद केलेले दर हे सर्व प्रकारचे वाहतुक खर्चासह समाविष्ट असावेत.
४. सदरची जाहीर सुचना फक्त दर खात्री करणे करीता मागविणेत येत आहे.
५. या कामी काही माहिती हवी असलेस बांधकाम (श. अ.) विभागाकडे संपर्क साधावा.
६. प्राप्त जाहीर निविदा सुचना दर स्वीकारण्याचे अथवा नाकारण्याचे सर्व अधिकार निविदा समितीला आहेत.

जा.क्र पमपा/सा.वां.(श.अ.)/५१२४/प्र.क्र.११/३३३/२०२६ दिनांक: ३०/०६/२०२६



(संजय कटेकर)

शहर अभियंता

पनवेल महानगरपालिका

