SPECIFICATION:

The Tension Fabric Structure system shall consist of pre-engineered, structural frame members connected with horizontal purlins and cables to the primary steel structure. The secondary structural frame members are covered with PVC coated fabric membrane panels that form the weather tight seal and roof. These PVC coated fabric membrane panels are connected to the structural framework.

The fabric membrane’s integrated cord edge shall be tensioned both vertically and horizontally to prevent wear and abrasion. Fabric draped over the roof framework and secured with ropes or tie off straps is unacceptable. Horizontal and vertical stretch shall be maintained mechanically with horizontal purlins or spreaders and vertical tension bars that require no on-going maintenance. Fabric shall be stretched in such a way so as to create compression at each horizontal purlin. The fabric membrane panels when installed and tensioned, shall be wrinkle free, and shall remain so indefinitely in temperatures normal for the area.

The PVC fabric membrane panels shall be modular in width design yet consist of one continuous piece from eave to eave. Each modular fabric membrane panel shall be easily removed or replaced without the need to dismantle the structure. All fabric membrane shall be a minimum of 0.6 - 0.65 kilograms per square meter. PVC fabric membrane shall be opaque white. The membrane shall be flame retardant. The system which secures the PVC coated fabric membrane to the main structural support frame, shall allow for quick inter-changeability of fabric membranes.

No interior or exterior guy ropes or cables shall be used for anchoring the system. To facilitate the shedding action of rain, maintain the aerodynamic design and improve the exterior aesthetics, there shall be no exterior purlins, bolts, anchor devices cables or any other obstructions on any exterior portion of the structure.

All bolts, anchors and washers used shall have a minimum Grade 5 specification and shall be galvanized or stainless steel. The manufacturer of the tension fabric structure shall provide standard structural design drawings and Engineering calculations for submittal to the local permitting authorities upon contracting. Service shall include all equipment, manpower and supervision necessary to install the complete structure on customer provided surface and footings.

Warranty-The tension fabric structure manufacturer shall provide a written, pro-rata Warranty for the fabric membrane material for a period of 10 years. This Warranty will be in effect from the date of acceptance by the Owner.
S.No | ITEMS TO BE DISMANTLED | Remarks | AREA/LENGTH
--- | --- | --- | ---
11 | Existing SS Railing in open area/Other existing platforms, sloping mound around stupa | To be dismantled | 45.8 sqm
10 | Boundary wall (shown in red line) | To be dismantled and replaced by solid stone boundary wall as per design (showing submitted) | 433.6 m
9 | Pedestrian gates (shown in green rectangle) | To be dismantled and replaced by proposed new entrance gate (drawing submitted) | 09
8 | Ventilation gate (shown in green rectangle) | To be dismantled and replaced by proposed new entrance gate (drawing submitted) | 20 sqm
7 | Pedestrian entrance gates (4 no. Stupa Gates) | To be dismantled and replaced by proposed new entrance gates (drawing submitted) | 4x60=240 sqm
6 | Shed near book depot | To be dismantled | 100 sqm
5 | Chapal stand | To be dismantled | 35 sqm
4 | Deck/look-out book depot | To be dismantled and will be shifted to maintenance center | 102 sqm
3 | Existing SS Railing in open area | Can be retained on the existing location on recommendation of committee | 18 sqm
2 | Ambarkar Statue & Shinde Statue | May be shifted to interpretation centre on recommendation of committee | 252.0 sqm
1 | Recreational Parks | Proposed as Bodhi tree (drawing submitted) | 7900 sqm

DECKSHABHOOMI ALONG WITH MATA KACHERI
DIKSHABHOOMI ALONG WITH MATA KACHERI
DET DETAILS TOPOGRAPHICAL SURVEY PLAN FOR
NAGPUR-440010

EXECUTING AGENCY:
NAGPUR METROPOLITAN REGION DEVELOPMENT AUTHORITY, NAGPUR-440010

OWNER:
PARAM PUJYA DR. BABASAHEB AMBEDKAR NAGPUR, NAGPUR-440010

STRUCTURAL CONSULTANT:
ARK CONSULTANTS, NEW DELHI

ELECTRICAL CONSULTANT:
ENGINEERS, NEW DELHI

MECHANICAL CONSULTANT:
ENGINEERS, NEW DELHI

PLUMBING CONSULTANT:
DESIGN CENTER CONSULTING ENGINEERS, NEW DELHI

DESIGN CENTER CONSULTING ENGINEERS, NEW DELHI

PREMISES, DIST. NAGPUR, MAHARASHTRA

DIKSHABHOOMI ALONG WITH MATA KACHERI

1) ALL DIMENSION ARE IN METER

2) GRID SIZE 25m x 25m.

NOTES:

- Remarks:
  - To be dismantled: Structures that are to be removed.
  - To be replaced: Structures that are to be replaced.

- AREA/LENGTH:
  - S.No: Sequential number for identifying items.
  - Items: List of items to be dismantled.
  - Remarks: Description of the item to be dismantled.
  - Area/Len: Area or length of the item.

- Remarks for specific items:
  - Ambarkar Statue & Shinde Statue: May be shifted to an alternative location.
  - Recreational Parks: Proposed as Bodhi tree.
  - Existing SS Railing in open area: Can be retained as per recommendation.

- Area/Len units: The units used for measuring area and length are indicated in square meters (sqm) and meters (m), respectively.

- Other Notes:
  - All dimensions are in meters (m).
  - Grid size: 25m x 25m.

- Location:
  - NAGPUR METROPOLITAN REGION DEVELOPMENT AUTHORITY, NAGPUR-440010

- Owner:
  - PARAM PUJYA DR. BABASAHEB AMBEDKAR NAGPUR, NAGPUR-440010

- Structural Consultant:
  -ARK CONSULTANTS, NEW DELHI

- Electrical Consultant:
  -ENGINEERS, NEW DELHI

- Mechanical Consultant:
  -ENGINEERS, NEW DELHI

- Plumbing Consultant:
  -DESIGN CENTER CONSULTING ENGINEERS, NEW DELHI

- Design:
  -DECKSHABHOOMI ALONG WITH MATA KACHERI

- Survey Plan:
  - DETAIL TOPOGRAPHICAL SURVEY PLAN FOR NAGPUR-440010

- Scale:
  - RL: 99.470

- Revision:
  - TBM NO: A10

- Date:
  - 04.01.2019

- Sheet Size:
  - 606/SURVEY/TD-902

- Total: 1 sheet
ELEVATION

SECTION GG

SECTION FF

SECTION EE

TYPICAL 60MM THK. SANDSTONE BALI DETAILS

TENDER DRAWING

SHEET NO. 006

SCALE 1:20

DATE 02.01.2019

DESIGNED BY ANAM

CHECKED BY SAME

REDEVELOPMENT OF DEEKSHABANDHU PREMIES, NAIPCX