

**Yashwantrao Chavan Academy of Development Administration  
Raj Bhavan Complex, Baner Road, Pune-411 007.  
Tel No. 020-25608408 / 409**

No – EMR/6723/AECT

Date: - 05/07/2024

To,

Sir,

Kindly forward your quotation for the following supplies / works.

**Subject :- Quotation For the Appointment of Environment Consultant for getting Environment Clearance certificate from Competent Authority for the proposed work at Tathawade site of YASHADA.**

➤ **Scope of work for Environment Clearance (State Level)**

- Site Visit and surrounding for environment related data and MOEF Registration for EC Proposal
- Working in team with Architect and other consultant for preparing drawings and data for EC submission.
- Duly filled / signed Form-1 and 1A with consolidated statement (in MS Word format.
- Annexure 1(a)\_PARIVESH CS
- Annexure 1(b)\_Form 1
- Annexure 1(c)\_Form 1A
- Disaster management plan incorporating disaster management committee, lightning arrester plan.
- Details of existing socio-economic infrastructure – primary, pre-primary schools etc. within vicinity.
- Phase wise programme for proposed construction with mitigation measures taken to avoid inconvenience to existing / nearby occupants.
- Debris management plan.
- Site specific, executable EMP encompassing monitoring matrix, Environment Cell and responsibility for execution.
- Evacuation plan for entire project for occupants, visitors and as well as cars.
- Work with team for providing details of EC requirement
- Baseline data collection and analysis for Environmental Parameter (Air Water, Noise, Soil and Ecology Socio- Economics from MoEF recognize Laboratory for EC requirement
- Document checking and preparing chronological order for presenting the project.
- Co-ordinate with the all-consultant Compilation of Data, drawings
- Preparing environment management plan for execution at the site and considering Impact assessment
- Preparing risk assessment and disaster management plan



- Submission of application To MOEF And MPCB For EC
- Presenting at SEAC by NABET Accredited Qualified Building Auditor
- Following up with the officials to get the process

➤ **Scope of work for MEP for EC**

- Preparation of drawings and documents for Plumbing, Fire Suppression, Electrical and STP services required for Environmental Clearance submission at SEAC & SEIAA
- Attending presentation at SEAC & SEIAA
- Co-ordinated master layout superimposing all environmental parameters with cross-sections.
- Co-ordinated Layout
- Water & Fire Supply Layout
- Dewatering layout
- Details and sections of UGT
- Drawings of internal storm water up to final disposal point
- Drawings of internal sewer line up to final disposal point. NOC from competent authority if the line is passing through adjoining plots up to final disposal point.
- Water demand calculations
- Drawing showing water supply, flushing lines, location on OHT, UGWT. (Section of UGWT), Section at external point showing internal & external Chamber I.L
- Location of STP/ETP with final discharge point of excess treated water line connect to external Sewer Layout.
- Location of ETP with final discharge point.
- Hostel/Kitchen/Laboratories waste water should be connected to ETP.
- Drawing showing location of Recharge pits, section of recharge pit, storm water drains, location of final point for excess storm water discharge, Basement storm line with sump, section showing water from sump to external sewer
- Section through road showing all services below road (SWD, Sewer, water supply line, Compound wall line, Building line)
- Costing Breakup for SWD, Sewer line
- Basement ventilation plan with calculations
- Sprinkler layout
- Coordinated drawing of MEP services, landscape layout overlapped & section showing water supply line (Domestic water & flushing) from UGT to OHT

➤ **Scope of work for OWC**

- Data requirement and calculation for environment clearance
- Attending presentation at SEAC & SEIAA
- Section of OWC
- Design basis/ Technical report of WC
- OWC Calculation sheet

➤ **Scope of work for STP/ETP for EC**



- Preparation of drawings and documents for STP services required for Environmental Clearance submission at SEAC & SEIAA
- Attending presentation at SEAC & SEIAA
- Plan & section of STP/ETP with P & I Diagram
- Design basis/ Technical report of STP/ETP
- Costing Break up

➤ **Scope of Work for Hydrogeological Study**

- The Scope of work for the assignment involves Electrical Resistivity Survey at the site with the help of Geo-Electrical Resistivity Meter
- Scanning & Hydro-Profiling of Points identified in the area as lay out Map send by you.
- Scope of field work Study and analysis involving activities based on the approach selected for the Project.

With reference, the Scope of work will involve the following:

- A. In profiling, will measure resistance at every 10 meter on peripheral line of proposed buildings and will calculate apparent resistivity. To select probable points, minimum 20 to 40 readings are taken by Electrical Resistivity Meter. This process usually takes about two to Four to five Hours for two acre based on the profile. The process of profiling is lengthy, but provides the point having maximum recharge capacity to the aquifer.
- B. Electrical Resistivity Study for each Point is carried out at point selected after profiling which is called Vertical Electrical Sounding (VES). Each VES involves minimum of 20 to 30 Readings. Each VES usually takes about half hours Minimum based on the site situation in sense of moisture content in the soil, vegetation on the way, length decided etc.
- C. After completion of profiling, VES of probable points and other required field work, The Lab Analysis & Interpretation are conducted. Generally, the report preparation and submission are made after one week of field work is completed.
- D. Timeframe: It is assumed, to complete the work including field work, survey, data analysis, and interpretation, final report preparation 2 days would be sufficient. Report will submit seven days after field work.
- E. Attending presentation at SEAC & SEIAA
- F. RWH pits no. & size of pits
- G. Costing of RWH
- H. Geohydro Reports

➤ **Scope of work for Landscape for EC**

- Preparation of EC presentation plan with integrating existing tree information and all respective services on site
- Preparation of tree list with ecological characteristics
- Preparation of landscape area calculations of proposed layout.
- Calculation of water requirements of proposed layout.
- Drawing preparation:



- Final architectural drawings
- All respective service overlapped on latest architectural layout
- Final parking layout of proposed site
- Final RG area requirements
- Existing tree location and other information of existing tree
- Attending presentation at SEAC & SEIAA
- Landscape Master Plan showing locations of list of existing and newly proposed trees, shrubs, landscape area statement (Considering 10% vegetated (on ground) area of total plot area), Hard areas (Not to be included in the 10% vegetated area), Soft areas, Area under lawns.
- Tree Survival Report
- Costing Break-up

➤ **Scope of work for Traffic and ECBC Compliance analysis report for EC**

- Preparation of report which includes climatology analysis, day – light analysis, ECBC prescriptive compliance etc.
- Attending presentation at SEAC & SEIAA
- Traffic report and Presentation
- Swept path analysis
- ECBC Sheet and report
- Retrieval Analysis

❖ **YASHADA will help for preparation of above documents from Architect and Project Proponent**

- YASHADA will pay all Government challan/fees.
- Access to the project site as and when required.
- YASHADA will provide necessary documentation as and when required for getting environment clearance like;

➤ **From Liasoning Architect**

- Area Statement
- Architect Certificate Total Area as per IOD & As per previous Sanction
- Architect Certificate As excavation done on site need excavated area details.
- FSI & Non FSI Statement
- IOD Layout & Sanctioned Letter

➤ **From Design Architect**

- Master layout with services (STP, OWC, DG, transformer & UGT) with entry & exit marked with detail block of the services
- Building Sections & Elevation
- Building Cross section at 4 5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.

- Sections with refuge floor marked
- The oncology department should be separate.
- Road Section Showing compound wall, trees and plumbing services
- Fire tender movement plan showing internal road width and turning radius, entry exit points & cross sections of driveway at 4-5 places.
- Parking Plan at all levels with parking statement showing total number of parking required and proposed as per DCR / Town Planning norms with adequate area per car as per norms
- Floor Plans
- Refuge Floor Plans
- Cut fills Section & Excavation quantity.
- Plans / drawings of Building plan, layout, basement, parking, etc. approved by competent authority as per applicable DCR. Fire tender movement and cross sections of driveway at 4-5 places.

➤ **From Design Architect**

- Master layout with services (STP, OWC, DG, transformer & UGT) with entry & exit marked also section lines to be marked on it Need to mark with detail block of the services
- Building Sections & Elevation
- Building Cross section at 4 5 places including UGT, OWC and DG set location showing clear road width, distance left from building line and spaces left for plantation, parking, service lines, foot paths, etc.
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- Cutting filling Section & Excavation quantity.

➤ **Electrical**

- Plan showing location of D.G sets, Transformer substation
- Lightning arrestor plan
- Load calculations with connected load and maximum demand mentioned separately
- Energy conservation calculation (ECBC) sheet including solar PV as per ECBC Guidelines
- Top Terrace drawing showing Solar PV (please provide solar PV 5% of demand load), area utilized and % of area utilized.
- Costing Break-up



**Note:-**

1. The sealed covers containing quotations with superscription like **“Quotation For the Appointment of Environment Consultant for Environment clearance certificate from Competent Authority for the proposed work at Tathawade site of YASHADA.”**
2. Quotation should be addressed to the undersigned (Estate Department, YASHADA) and sent so as to reach on or before **Dated 12/07/2024 up to 5.00 pm.**
3. Quotation after the said date will not be entertained. Undersigned reserves the right to reject all quotations without assigning reasons thereof.
4. Consultant should contact Estate Department and examine the actual site location in YASHADA before quoting the rates.
5. Advance will not be given.
6. Payment will be given as per terms and conditions and after Completion of stage to the satisfaction of authority.
7. Quotation on Company/firm's Letterhead.
8. Submit experience certificate of similar work carried out in last three years
9. List of personnel with experience working on this projects.
10. The L1 will be decided on technical evaluation plus financial in 60:40 ratio.
1. Submit Xerox copy of GST Certificate, Pan Card and other relevant document of Registration Certificate of Company/firm if applicable.



**Registrar**  
**Yashwantrao Chavan Academy**  
**of Development Administration**  
**Pune - 411 007**