

To

Dt. 03/03/2018

VINOD TIKU
(Head Operation)
Design Collaborative Consulting

Kind Attn: Mr. Vinod Tiku

Sub: - Work Order for Planning and Designing of External Services (Sewerage, External Drainage, Internal Drainage, Domestic Water Supply and Electrical System) and Landscape for 7 Acres of Land in Sector 35 and 12.775 acres, Rohtak.

Dear Sir,

Thanks for sharing quotation for the above subjected work. We are happy to issue you workorder comprising of the following scope of work:

SCOPE OF WORK

Design Collaborative Consulting shall provide full design services and will submit various External services Designs, Drawings and Tender documents for 7 Acres of land and 12.775 acres as per stages and scopes mentioned below

I - Design Drawings Stage

A- FOR PLANNING AND DESIGNING OF DOMESTIC WATER SUPPLY SYSTEM, IRRIGATION WATER SUPPLY SYSTEM, SEWERAGE, EXTERNAL & INTERNAL STORM WATER DRAINAGE SYSTEM INCLUDING RAIN WATER HARVESTING PIT DESIGN AND S.T.P.

Domestic Water Supply System

- Calculation of water demand for domestic water as per lay out supplied by the client
- Zoning & location of Water Works for water supply.
- Design & drawings of Water Supply Distribution Network and house connections including location of sluice valve, Fire Hydrants, Air Valves, scour valves etc i/ c Plan of Water Supply Network from source to end users and jointing details of Sluice Valves, Air Valves, Scour Valves & Fire Hydrants.
- Design & drawings of Under Ground/ Over Head tanks including pump house (Including RCC design, Pump and Piping design).
- Design & drawings of Chambers for different size of water appurtenances.
- Bedding details of the pipes as per design if required.
- Any other design & drawings essential for completing the water supply network.
- Preparation of Bill of Quantity.
- Detail specifications and B.O.Q. with cost estimates for tendering purposes

Irrigation Water Supply System

- Calculation of water demand for Irrigation water as per layout.
- Zoning & location of Water Works for water supply.
- Design & drgs of Water Supply distribution Network for Irrigation purposes of Landscape areas including location of sluice valve, Fire Hydrants, Air Valves, scour valves etc i/c Plan of Water Supply Network from source to end users and jointing details of Sluice Valves, Air Valves, Scour Valves & Fire Hydrants.
- Design & drgs of Chambers for different size of water appurtenances.
- Bedding details of the pipes as per design if required.

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- Any other design & drgs essential for completing the Irrigation water supply network
- Preparation of Bill of Quantity.
- Detail specifications and B.O.Q. with cost estimates for tendering purposes.

Sewer Disposal Network

- Calculation of sewer generated in the area.
- Design & drgs of Sewer Mains & branch sewer and house connections including bed concrete, haunches & cover as per soil conditions i.e plan of sewage collection network with Hydraulic design sheet.
- Design, drgs and details of different type of man holes, Catch basins, Drop Man holes & Vent Pipes if required.
- Design & drgs of Sewage Treatment plant (Process & Structural design complete)
- Any other design & drgs essential for completing the Sewer Disposal Network
- Preparation of Bill of Quantity.
- Detail specifications and B.O.Q. with cost estimates for tendering purposes

External Storm Drainage Water System

- Calculation of storm water as per catchments and topography of the city
- Design & drgs of pipe sizing as per catchments including different type Man Holes, Catch Basins etc. & L- Sections of the Storm Water network by showing the location of the Man Holes and house connections & Connection details of catch basin to Man Hole and details of the bedding of the pipes.
- Preparation of Bill of Quantity.
- **Detail specifications and B.O.Q. with cost estimates for tendering purposes**

Internal Storm Drainage Water System

- Calculation of storm water as per catchments and topography of the city
- Design & drgs of pipe sizing as per catchments including different type Man Holes, Catch Basins etc & L- Sections of the Storm Water network by showing the location of the Man Holes and house connections & Connection details of catch basin to Man Hole and details of the bedding of the pipes.
- Design of Re- Charge Pits for rain water harvesting.
- Any other design & drgs essential for completing the Internal Storm water disposal Network as per codes & policy of Haryana Govt.
- Preparation of Bill of Quantity.
- **Detail specifications and B.O.Q. with cost estimates for tendering purposes**

The Design Collaborative Consulting will also furnish a coordinated Drawings for all the External Services mentioned above.

B- FOR PLANNING AND DESIGNING OF ELECTRICAL DISTRIBUTION SYSTEM

Preparation of Design & Detailed Drawings showing complete 220 KV/132 KV/33 KV/ 11 KV/ 440 Volts distribution system and low voltage distribution system as per the requirements.

Electrical Supply

- Phase wise load Calculation of power.
- Load calculation for Power Back up for essential services.
- Identification of source of power supply -
- Zoning Plan for power supply of City.
- Design and drgs of Electrical receiving sub—stations for receiving of power
- Design of transmission mains and distribution mains including feeder pillars.
- Design and drgs of Street Lighting network including its cabling.
- Design & drgs of Solar Panel for alternative electricity charge for street lights
- Design and drgs of cable trenches/ conduits I/ c Details of Road Crossings for HT & LT and Details of Man Holes/Chambers

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- Any other High Voltage Systems required for successful completion of the project including designing capacity of Sub- stations, Transformers etc with all mandatory safety requirements
- Preparation of Bill of Quantity.
- **Detail specifications and B.O.Q. with cost estimates for tendering purposes**

Prepare coordinated working drawings depicting all electrical systems mentioned above.

C- LANDSCAPE

- Detailed Landscape design proposal for Landscape development in parks, green areas, entrance gate and boundary wall (if required). On approval of concept submitted through rendered plans and images the GFC drawings with referral images wherever required shall be provided for all hard and soft scape areas, planting, hedging, screening, ground covers, foliage schemes etc.
- Landscape lighting of all major and minor landscape areas.
- Detailing and design of road avenues their paving, kerb details etc required within the landscape scheme.
- Design of water fountain or any other feature required.
- Approval of shop drawings from signage vendors.
- Detail specifications and B.O.Q. with cost estimates for tendering purposes of soft scape/ hard scape areas.

D- EXCLUSIONS

- Day to day supervision, preparation of suppliers or contractor's bills.
- Soil Investigation or any other investigation.
- Survey work.

E- TIME SCHEDULE

Design Collaborative Consulting shall produce the time schedule for the above mentioned jobs.

F- SCALE OF CHARGES

- | | |
|---------------------|--------------|
| 1. Landscaping work | - 2.00 lakhs |
| 2. All Services | - 6.75 lakhs |
| | 8.75 lakhs |

The Design Collaborative Consulting will be paid **Rs.8.75 lakhs (Eight Lakhs Seventy-Five Thousand only)** Lump sum for all the work detailed in the scope of work.

G- STAGES OF PAYMENT

That for each of the services in the scope of the "**Design Collaborative Consulting**" shall be paid in the following stages consistent with the work done.

Sr.No.	STAGES OF PAYMENT	
1.	On award of the Contract	10 % of the total fee
2.	On approval of concept and concept reports by the client for services, road sections and Landscape areas.	10% of the total fee
3.	On approval of design development stage drawings by client.	10% of the total fee
4.	On submission of Technical specifications, Bill of quantities, Cost Estimates and advance GFC drawings.	35% of the total fee
5.	On submission of Good for construction drawings (04 Sets in Hard form and soft copies in CD)	35 % of the total fee

Service tax as applicable will be paid extra.

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Terms and Conditions:

- 1) You have to designs all services as per statutory norms of different department of Haryana Government and visit offices if called by any department for making a presentation.
- 2) That each and every work assignment is independent from others works assignments.
- 4) That on completion of each and every work assignment payment will be made subject to submission of documentary evidence/proof of completion of concerned work assignment.
- 5) Applicable taxes & statutory fees shall be payable as per actual & exclusive of professional fee.
- 6) That in case of GST demand not raised by you, you have to submit the GST declaration in the prescribed format.
- 7) That on completion of each and every assignment invoice will be raised by you in accordance with the agreed payment schedule along with documentary proof.
- 8) That payment will be made through account payee cheque and after deduction of statutory taxes (T.D.S).
- 9) That T.D.S. Certificate will be issued to you at the end of concerned quarter of financial year.
- 10) That in case you are failed to execute the work assignment under the agreed timelines the company may consider for the extension in timelines subject to your request or terminate the work order.

Please send an acceptance for work order so that we can process your payments.

Thanking You

Best Regards

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