# QUOTATION MM SURVEYORS CONSULTANCY SERVICES

**QUOTATION NO.: _____**
**DATE: _____**

**To,**
**The _____**

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**Subject: Quotation for Survey Consultancy Services for WTP, Topographical Survey & Pipeline Alignment Survey**

**Dear Sir/Madam,**

**With reference to your requirement, we are pleased to submit our quotation for providing Survey Consultancy Services for the proposed water supply project, including WTP site survey, topographical survey, and pipeline alignment survey.**

## 1. SCOPE OF WORK

### A. WTP / Water Treatment Plant Site Survey

- **Detailed topographical survey of the proposed WTP campus.**
- **Establishment of permanent/temporary Bench Marks (BM/TBM).**
- **Survey of existing ground levels and important site features.**
- **Preparation of site plan with coordinates and reduced levels.**
- **Contour generation at suitable contour intervals.**
- **Survey of existing roads, drains, structures, utilities and other visible features.**
- **Identification and plotting of site boundaries, where available.**
- **Preparation of CAD/DWG drawings and survey data.**

### B. Topographical Survey

- **Detailed topographical survey of the project area.**
- **Collection of X, Y & Z coordinates using Total Station/GNSS/RTK equipment.**
- **Spot levels at suitable intervals.**
- **Survey of existing natural and man-made features.**
- **Contour map preparation.**
- **Longitudinal and cross-sectional survey, wherever required.**
- **Preparation of Topographical Plan in AutoCAD (DWG).**

### C. Pipeline Alignment Survey

- **Reconnaissance and fixing of proposed pipeline alignment.**

- **Establishment of alignment reference points and Bench Marks.**
- **Collection of ground levels along the proposed pipeline route.**
- **Longitudinal Section (L-Section) survey.**
- **Cross-sections at required intervals and critical locations.**
- **Survey of road crossings, railway crossings, drains, canals, rivers and other major crossings.**
- **Identification and plotting of existing visible utilities/features.**
- **Preparation of pipeline alignment plan and profile.**
- **Chainage-wise ground level data.**
- **Preparation of L-Section, and AutoCAD drawings.**

# 2. DELIVERABLES

**The following deliverables shall be submitted:**

1. **Topographical Survey Plan – DWG & PDF**
2. **WTP Site Contour Plan – DWG & PDF**
3. **Pipeline Alignment Plan – DWG & PDF**
4. **Longitudinal Section – DWG & PDF**
5. **Cross-Section Drawings – Critical locations**
6. **Coordinate Data – CSV/Excel**
7. **Bench Mark / TBM Details**
8. **Survey Field Data, wherever required**
9. **Contour and spot-level data**

# 3. QUOTATION / RATE

| S. N | DESCRIPTION | UNIT | Qty | Rate | AMOUNT |
|---|---|---|---|---|---|
| 1 | DI PIPE Topographical survey shall be carried out using high precise DGPS instruments & total stations for a corridor on either side of the road berms (25m from road Centre on either side), toe of the berms, road intermediate highest elevations, intermediate lowest elevations, mandate as well as natural features, road crossings, culverts, nallahs, power lines, govt. structures, land marks etc at 30m longitudinal interval. Levels to be taken with respect to GTS Benchmark<br>i) Carrying out GTS Bench mark to the project site-Fly the reduce level from GTS Bench mark (Preferable CWC BM) or any other established Bench Mark up to the project | PER KM | | 2000.00 | |

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|---|---|---|---|---|---|
| | **boundary.**<br>**ii) Route survey and preparation of pipe line profile, topo plan with all features with elevations.**<br>**iii) L-section drawing along the proposed alignment.**<br>**iv) Fixing of TBMs on proposed alignment as per client specifications.**<br>**v) All crossings (road, canal, nallah), culverts, bridges to be shown with topographical survey drawing including detailed dimensions**<br>**vi) Levels shall be recorded at 30m intervals at junction points at highest and lowest points.**<br>**vii) Type of roads to be incorporated in the survey drawing, road side drains are to be incorporated.**<br>**viii) Collecting important landmarks like school, temple, Govt. offices, Mosque, church, railway line alignment, NH/SH crossings, ponds, canals, streams/nallahs,culverts, bridges, electrical pole, transformers and other features if any not specified.**<br>**ix) Establishment of TBMs at every village.**<br>**x) Existing infrastructures details ie pipe line details, OHT location and its capacity, staging details,** | | | | |
| **2** | **ATP Topographical survey shall be carried out using high precise DGPS instruments & total stations for a corridor on either side of the road berms (25m from road Centre on either side), toe of the berms, road intermediate highest elevations, intermediate lowest elevations, mandate as well as natural features, road crossings, culverts, nallahs, power lines, govt. structures, land marks etc at 30m longitudinal interval. Levels to be taken with respect to GTS Benchmark**<br>**i) Carrying out GTS Bench mark to the project site-Fly the reduce level from GTS Bench mark (Preferable CWC BM) or any other established Bench Mark up to the project** | **PER KM** | | **2000.00** | |

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|---|---|---|---|---|---|
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| **3** | **Contouring Survey of Structures**<br>**- Establishing boundary control points at each location.**<br>**- Submission of Grid of 10m X 10m and contour map for each individual location along with all like HT/LT line, private property etc with elevation & distance.**<br>**- Coordinates of all corner points of boundary for the proposed locations.** | **SQM** | | **3** | |

# 4. TERMS & CONDITIONS

1. **The above rates are based on the scope of work mentioned in this quotation.**

2. **Mobilization and demobilization shall be charged as mentioned above, if applicable.**
3. **Any additional survey work beyond the specified scope shall be charged separately.**
4. **Existing government/departmental Bench Marks, if available, shall be used wherever possible.**
5. **The client shall provide available site drawings, alignment details and relevant project information.**
6. **Necessary permission/access to the project site shall be arranged by the client.**
7. **Payment shall be made as per the following schedule:**
    - **30% – Advance / Mobilization**
    - **40% – On completion of field survey**
    - **30% – On submission of final drawings and data**
8. **Taxes/GST shall be charged extra as applicable.**
9. **The quotation shall remain valid for 30 days from the date of submission.**
10. **Any additional work requested by the client shall be mutually agreed and charged separately.**

# 5. TIME OF COMPLETION

**The survey work shall be completed within _____ days from the date of work order/site clearance and availability of required project information.**

**We assure you of providing accurate and professional survey consultancy services using modern Total Station / DGPS / RTK-GNSS survey equipment and experienced technical personnel.**

**Thanking you.**

**For MM SURVEYORS CONSULTANCY**
**Survey & Consultancy Services**

**Authorized Signatory**
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**Company Seal & Signature**