

GOVT. OF GUJARAT



ANNUAL RATE TENDER

Name of Work :- Surveying of various Roads & Bridges with Total Station Instrument, Alignments, Leveling with drawings and Computation of Quantity under Jurisdiction of R & B Division, Jamnagar

**OFFICE OF THE
EXECUTIVE ENGINEER
JAMNAGAR (R&B) DIVISION
JAMNAGAR**

ROAD & BUILDING DIVISION - JAMNAGAR

NAME OF WORK :- Surveying of various Roads with Total Station Instrument, Alignments, Leveling with drawings and Computation of Quantity under Jurisdiction of R & B Division, Jamnagar

Item No	Description	Unit	Rate
1	Detailed Topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy.	Per Km	
2	Preparing Estimates & DTP for Widening portion / New Const. of providing Plan, Setcion Etc.Work for Estimated cost, incl.providing all drawing like as plan, elevation & SEtcion etc. required in estimates and scructing estimate from sanction authority and get technical sanction including all survey work with labour and material including SBC required for designing.		
	2(A) H.P. Drain / Box Culvert/ Slab Drain	% of Estimate amount	
	2(B) Protetctive Wall/ Retaining Wall	% of Estimate amount	

Item No	Description	Unit	Rate
3	Preparing and Providing Plans, Estimate & DTP for the new road work for Estimated cost incl, providing all drawing like as plan, elevation & Setcion etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	3(A) Cost up to 1 Cr.	% of Estimate Amount	
	3(B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	
	3(C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	
	3(D) Cost above 25.00 Crore	% of Estimate Amount	

Item No	Description	Unit	Rate
4	Preparing and Providing Plans, Estimate & DTP for the widening work for Estimated cost incl, providing all drawing like as plan, elevation & Section etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	4(A) Cost up to 1 Cr.	% of Estimate Amount	
	4(B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	
	4(C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	
	4(D) Cost above 25.00 Crore	% of Estimate Amount	

Item No	Description	Unit	Rate
5	Preparing and Providing Plans, Estimate & DTP for the resurfacing work for Estimated cost incl, providing all drawing like as plan, elevation & SEtcion etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	5(A) Cost up to 1 Cr.	% of Estimate Amount	
	5 (B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	
	5 (C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	
	5 (D) Cost above 25.00 Crore	% of Estimate Amount	
6	Surveying and Preparing quantity sheet of earth work for road work including taking levels at every 10 meters chainage and 5 meters chainage at curve and minimum 7 locations at each chainage. Incl, pro, drawing/cross sEtcion in soft copy & hard copy.	Per KM	
7	Carrying out Pavement Evaluation of Existing BT road using falling weight deflectometer (FWD) as per IRC 115-2014 for the overlay design as per instruction of engineer incharge.	Per POINT	

Item No	Description	Unit	Rate
8	Providing Videography/Photography in soft copy of Traffic Survey and submission of traffic survey report and data sheet as per instruction of engineer in charge for 8 hour shift each	PER COUNT PER SHIFT	
9	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & classifier (ATCC) Systems for a continues period round the clock for both upstream and downstream traffic	PER NO	
10	Axle load surveys in both diretcions shall be carried out at suitable location(s) in the projEtc road stretch on a random sample basis normally for trucks only (both empty and loaded trucks) for 1 normal days - (24 hours) at special count stations to be finalized in consultation with State PWD/MoRTH	PER KM PER LANE	
11	Carried out survey, collEcting all old/missing data from concern department & preparation of details plan and proposal for Land acquisition as per DILR/Revenue Department guidelines on Various Roads for concern Revenue Department/CALA including fixation of Alignment Plan on land plan village map, field survey, Joint Measurements on site demarcation on site/field preparation of proposals according to prevailing guidelines laws and acts. Online / offline submission of proposal with necessary plans and drawings photographs etc. attending to compliance for all stage of Notification, Public hearing, social Impact assessment (SIA), Economic Impact Assessment (EIA), follow ups upto final approval, award, payments of Compensation and updation of revenue department/CALA and competent authority to “the Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act 2013	Per SQ MT	

Item No	Description	Unit	Rate
12	Protetced or reserve area of forest Clearance approval From Forest Divison Proposal Including Online Registration Preparation of Drawing Area Settlement Replay of online Queries Preparation of Hard Copies of Proposal in line set and Submission of DCF office Carrying out Joint site Visits With Forest Officer Continuous Follow up at forest officers Regional Office Circle Division Office Nodal Office and Office of Government Of Gujrat to Obtain necessary approval		
	12(A) up to 5 hect.	Per hect.	
	12(B) 6 to 10 hect.	Per hect.	
	12 (C) above to 10 hect.	Per hect.	
13	Carried out the Road Safety Audit (RSA) for Feasibility Stage / DPR Stage / During Construction / After Construction / O&M. The use of checklists is highly recommended as they provide a useful "aide memoire" for the audit team to check that no important safety aspEtcS are being overlooked. Road Safety Audit to be carried out as per IRC / MoRTH Guidelines as Directed by Engineer Incharge.	Per Km Per Lane	
14	Pavement condition survey using NSV of projetc stretch to assess physical condition of selEtcSd stretches and to use data for preparation of detailed projEtc reports, technical and maintenance etc. based one geometric parameters of the highway, condition of pavement, road safety features, condition of existing facilities of highway.	Per Km Per Lane	
15	Carried out the Topography survey for greenfield alignments/bypass using Arial UAV / Drawn Survey and submit the details in Hard & soft copy as Directed by Engineer Incharge.	PER KM	
16	Junction development design excluding survey work with all required drawings and measument details etc. comp. as per instruction of Engineer in charge. (A) Minor Junction/ App Road	Per Junction	

Item No	Description	Unit	Rate
17	Providing Consultancy Services for Engineering solution of Vulnerable spots/ Blackspots on various roads in state of Gujarat including basic inventory survey, traffic survey, accident data collection for road safety audit as per IRC & MORTH, and Prepare BOQ		
	17 (a) Assessment of Short Term Measures.	Per NO	
	17 (b) Assessment of Long Term Measures.	Per NO	
18	GPR investigation to map underground utilities for proposed road network, its analysis and interpretation of the data collected from the investigation and preparation of report with findings, submit the hard & Soft Copy as Directed by Engineer incharge.	Per KM	
19	Providing Videography/Photography of Project with normal and Drone photography including editing and making good videography in soft copy/hard copy in CD/Pendrive as per instruction of engineer in charge for each project.	Per Job	

Sign of
Agency



Deputy Executive Engineer
Dhrol Road & Building Division
Dhrol

Executive Engineer
Road & Building Division
Jamnagar



ROAD & BUILDING DIVISION - JAMNAGAR

NAME OF WORK :- Surveying of various Roads with Total Station Instrument, Alignments, Leveling with drawings and Computation of Quantity under Jurisdiction of R & B Division, Jamnagar

Item No	Description	Unit	Rate
1	Detailed Topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy.	Per Km	9100.00
2	Preparing Estimates & DTP for Widening portion / New Const. of providing Plan, Setcion Etc.Work for Estimated cost, incl.providing all drawing like as plan, elevation & SEtcion etc. required in estimates and scructing estimate from sanction authority and get technical sanction including all survey work with labour and material including SBC required for designing.		
	2(A) H.P. Drain / Box Culvert/ Slab Drain	% of Estimate amount	1.20
	2(B) Protetctive Wall/ Retaining Wall	% of Estimate amount	1.00

Item No	Description	Unit	Rate
3	Preparing and Providing Plans, Estimate & DTP for the new road work for Estimated cost incl, providing all drawing like as plan, elevation & Setcion etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	3(A) Cost up to 1 Cr.	% of Estimate Amount	0.90
	3(B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	0.80
	3(C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	0.75
	3(D) Cost above 25.00 Crore	% of Estimate Amount	0.60

Item No	Description	Unit	Rate
4	Preparing and Providing Plans, Estimate & DTP for the widening work for Estimated cost incl, providing all drawing like as plan, elevation & SEtcion etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	4(A) Cost up to 1 Cr.	% of Estimate Amount	0.90
	4(B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	0.80
	4(C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	0.75
	4(D) Cost above 25.00 Crore	% of Estimate Amount	0.60


Item No	Description	Unit	Rate
5	Preparing and Providing Plans, Estimate & DTP for the resurfacing work for Estimated cost incl, providing all drawing like as plan, elevation & SEtction etc. with detailed topographical & Level survey of road by Total Station Instrument on Road site and providing details like electrical Pole, Telephone Pole, Tree, Bridge & Culverts, road and cross junction details and taking OGL within 30 mt. total width at every 10m. Interval at sharp curve as per Directed by The Engineer and submitting all details in Alignment Drawings in soft copy i.e. CD/Pen Drive and hard copy. required in estimates including level sheet and quantity sheet required as per instruction of engineer in charge and scructing estimate from sanctioning authority and get technical sanction including all survey work with labour and material including all survey work and required testing (FWD, NSV, CBR, SBC etc for required for designing)		
	5(A) Cost up to 1 Cr.	% of Estimate Amount	0.90
	5 (B) Cost upto 1.00 cr to 5.00 Crore	% of Estimate Amount	0.80
	5 (C) Cost upto 5.00 to 25.00 Crore	% of Estimate Amount	0.75
	5 (D) Cost above 25.00 Crore	% of Estimate Amount	0.60
6	Surveying and Preparing quantity sheet of earth work for road work including taking levels at every 10 meters chainage and 5 meters chainage at curve and minimum 7 locations at each chainage. Incl, pro, drawing/cross sEtction in soft copy & hard copy.	Per KM	7500.00
7	Carrying out Pavement Evaluation of Existing BT road using falling weight defloctometer (FWD) as per IRC 115-2014 for the overlay design as per instruction of engineer incharge.	Per km per lane	20000.00

Item No	Description	Unit	Rate
8	Providing Videography/Photography in soft copy of Traffic Survey and submission of traffic survey report and data sheet as per instruction of engineer in charge for 8 hour shift each	PER COUNT PER SHIFT	4900.00
9	Counting and classification of vehicles with the help of portable Automatic Traffic Counter & classifier (ATCC) Systems for a continues period round the clock for both upstream and downstream traffic	PER NO	10000.00
10	Axle load surveys in both diretcions shall be carried out at suitable location(s) in the projEtc road stretch on a random sample basis normally for trucks only (both empty and loaded trucks) for 1 normal days - (24 hours) at special count stations to be finalized in consultation with State PWD/MoRTH	PER KM PER LANE	7400.00
11	Carried out survey, collEcting all old/missing data from concern department & preparation of details plan and proposal for Land acquisition as per DILR/Revenue Department guidelines on Various Roads for concern Revenue Department/CALA including fixation of Alignment Plan on land plan village map, field survey, Joint Measurements on site demarcation on site/field preparation of proposals according to prevailing guidelines laws and acts. Online / offline submission of proposal with necessary plans and drawings photographs etc. attending to compliance for all stage of Notification, Public hearing, social Impact assessment (SIA), Economic Impact Assessment (EIA), follow ups upto final approval, award, payments of Compensation and updation of revenue department/CALA and competent authority to "the Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act 2013	Per Sqmt.	160.00

Item No	Description	Unit	Rate
12	Protetced or reserve area of forest Clearance approval From Forest Divison Proposal Including Online Registration Preparation of Drawing Area Settlement Replay of online Queries Preparation of Hard Copies of Proposal in line set and Submission of DCF office Carrying out Joint site Visits With Forest Officer Continuous Follow up at forest officers Regional Office Circle Division Office Nodal Office and Office of Government Of Gujrat to Obtain necessary approval		
	12(A) up to 5 hect.	Per hect.	65000.00
	12(B) 6 to 10 hect.	Per hect.	50000.00
	12 (C) above to 10 hect.	Per hect.	45000.00
13	Carried out the Road Safety Audit (RSA) for Feasibility Stage / DPR Stage / During Construction / After Construction / O&M. The use of checklists is highly recommended as they provide a useful "aide memoire" for the audit team to check that no important safety aspEtcS are being overlooked. Road Safety Audit to be carried out as per IRC / MoRTH Guidelines as Directed by Engineer Incharge.	Per Km Per Lane	4500.00
14	Pavement condition survey using NSV of projetc stretch to assess physical condition of selEtcEd stretches and to use data for preparation of detailed projEtc reports, technical and maintenance etc. based one geometric parameters of the highway, condition of pavement, road safety features, condition of existing facilities of highway.	Per Km Per Lane	4500.00
15	Carried out the Topography survey for greenfield alignments/bypass using Arial UAV / Drawn Survey and submit the details in Hard & soft copy as Directed by Engineer Incharge.	PER KM	25000.00
16	Junction development design excluding survey work with all required drawings and measurement details etc. comp. as per instruction of Engineer in charge. (A) Minor Junction/ App.Road	Per Junction	7800.00

Item No	Description	Unit	Rate
17	Providing Consultancy Services for Engineering solution of Vulnerable spots/ Blackspots on various roads in state of Gujarat including basic inventory survey, traffic survey, accident data collEction for road safety audit as per IRC & MORTH, and Prepare BOQ		
	17 (a) Assessment of Short Term Measures.	Per NO	15500.00
	17 (b) Assessment of Long Term Measures.	Per NO	15000.00
18	GPR investigation to map underground utilities for proposed road network, its analysis and interpretation of the data collEcted from the investigation and preparation of report with findings, submit the hard & Soft Copy as Directed by Engineer incharge.	Per KM	43000.00
19	Providing Videography/Photography of Project with normal and Drone photography including editing and making good videography in soft copy/hard copy in CD/Pendrive as per instruction of engineer in charge for each project.	Per Job	7500.00

Sign of
Agency


Deputy Executive Engineer
Dhrol Road & Building Division
Dhrol

Executive Engineer
Road & Building Division
Jamnagar

R&B DIVISION JAMNAGAR.

Name of Work :- Surveying of various Roads with Total Station Instrument, Alignments, Leveling with drawings and Computation of Quantity under Jurisdiction of R & B Division, Jamnagar

TERMS AND CONDITIONS :-

- 1) Available site plans ,Key Plans & Related work Drawings will be provided by the department but remaining, unavailable all the necessary data shall be survey and prepared by the contractor & then taking an approval the data shall be used.
- 2) The Rate include supplying of 1 Nos. soft copy & 4 No Hard copy (For extra hard copy on printing only stationary charge of Rs 5.00/ 1 Nos. Page Extra will be paid)
- 3) All applicable Gov. and Local taxes shall be born by the contractor (Excluding GST).
- 4) Work shall be completed and provided after issuing the work order or informed by DEE of the said work within 30 days for the road Length 10 Km & 45 days for the road more than 10 Kms.
- 5) If contractor fails to complete work within stipulated time limit, he shall be pay penalty of 1 % of contract value per day from the date delaying of said work up to the completion and if the contractor is failed to complete the work within stipulated time limit, the contractor will be terminated and the deposit shall be forfeited.
- 6) Scope of work :- The tender includes work area of R & B Division Jamnagar or as directed by the Engineer in charge. The decision of the DEE will be final in the regards. No Provision made for Arbitrator. In any dispute matter /understanding, decision of the E.e. will be consider final & shall be implemented without any other consideration /references.

No other expenses will be paid for Uploading and Opening tender in relevant department like division, circle or government. all Expenses must be included in rates.

- 7) **Accountability of the prepared & delivered plans, estimates, D.T.P. etc.** Whole plans, estimates and D.T. P. shall be made on real data base and as per the instructions. There shall be no deviation from the real data and instruction made on the requirement base. The consultant shall be wholly responsible for the correct requirement base. The consultant shall be wholly responsible for the correct preparation of the estimates, plans, & D.T.P.
- 8) The jurisdiction of the work area shall be R & B Division Jamnagar District area. In any case or on dispute. The decision given by the E.E. Will be final.
- 9) Arbitration :- The decision taken by the Executive Engineer will be the final decision. Hence, Question of Arbitration does not arises.
- 10) Only properly filed up tender shall be considered for the rate sanctioning/approval, in properly filed up tender is liable to reject.
- 11) After approval of the rate, a work order may issue and this each & every work order must accompany with the agreement of the work and shall be binding the signatory.

- 12) Remarks/queries raised in estimate as well as in D.T.P. by competent authority shall be rectified & complied by consultant at his own cost. No extra payment shall be given on this account.
- 13) The consultant shall have to follow guide lines of R&B Department, relevant IRC codes, & building codes as may be required for carrying out survey work, & preparing DPR/Estimates, Designing etc for road/bridge & building work.
- 14) The consultant shall prepare estimates of any project using prevailing S.O.R. of R & B Sub-Division Jamnagar. Rates for non S.O.R. items shall be derived and supported with detailed rate analysis, as and where required.
- 15) Where ever rate in BOQ is on basis of % of estimate amount, only amount of detailed estimates will be considered for payment against consulting charges. The amount of lump provision made in estimate like W.C., Q.C., contingency, utility shifting forest clearance, Bhumi puja, safety audit etc. shall not be eligible for claiming consultancy charge.
- 16) **Mode of Payment :-** Payment of consultancy services shall be made as per approved rate of BOQ and shall be paid only after Submitting of estimate / DTP / Design / Drawing etc. from the Competent authority.
- 17) **SD** Will not deduct from the bill.
- 18) Before working at the approved price, the necessary technical approval should be obtained from the division /sub-division office, necessary agreement should be made by the division /sub-division office and work order should be obtained.

Signature of Contractor

Executive Engineer
R & B Division
Jamnagar

Name of Work:	Surveying of various Roads with Total Station Instrument, Alignments, Leveling with drawings and Computation of Quantity under Jurisdiction of R & B Division, Jamnagar
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-: Criteria for Evaluation of Technical Proposal: -

Only those consultants who fulfill following criteria shall be eligible for consideration(Scan Copy attached with tender): -

1	D.D. of Tender Fee Rs.900.00
2	F.D.R. of EMD Rs.5,00,000.00
3	Pan card
4	Registration of G.S.T. Number
5	The firm who having experience of survey and estimation work in last three year of Rs. 80.00 Cr. (Estimate T.S. Amount) i.e. From 2023-24 to till date & satisfactory completion Form -3A (in R&B Format) should be attached of Govt. Dept./ Semi Govt./ Board corporation/ Municipal Corporation. (Work order Not Considered)
6	Annual turnover of any one year of the last 3 year i.e. 2023-24 to 2025-26 should not be less than Rs. 100.00 Lakh. (The turn-over certificate should be certified by CA only)
7	Firm should have specified technical staff as below mentioned
	1 M.Tech/M.E Civil Engineer with min. 4 years of experience
	1 Diploma Civil Engineer with min. 11 Years of Experience
	1 B.E.Civil Enginner with one Year experience
	1 B.E.Civil Engineer with five years experience
	1 B.E. Electrical with min. 10 Years of Experience
	1 M.Tech/M.E. Computer Engineer with 3 years of experience
	Above all technical staff scan copy of relevant degree certificate and experience certificate (CV and Resume not considered).
8	Bank solvency amt. 5.00 lakh. ,

Note: - If any firm is blacklisted or debar form government, they are not eligible for bidding of tender document.

Executive Engineer
Jamnagar (R&B) Division
Jamnagar.