

5.1. Detailed Project References – Eastconsult

1. Assignment Name: Consulting Services for detailed design, preparation of Tender Documents and supervision of the Rehabilitation of 15km of the D243/244 and 41km of T3 Copperbelt Energy Substation to Chiwala in the Copperbelt Province	
Approx. value of the contract in current in USD : 867,971.50	
Country: Zambia Location within country: Copperbelt Province	Duration of assignment (months): 36Months
Name of the Client: Road Development Agency (GRZ funded)	Total No. of Staff-Months of the assignment: 282
Address: P. O Box 50003, Lusaka	Approx. value of the services provided by your firm under the contract (in current USD 867,971.50
Start Date: October 2024 Completion Date: April 2027	No of Staff-Months of Professional Staff provided by associated Consultant: N/A
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Patrick Tembo: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: <i>The project roads are located in Sinazongwe District of Southern Province Residential areas in the district consists of the following:</i> • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulders	
Detailed Description of Actual Services Provided by your Staff: Phase I: Concept Design Review • Submit his activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y	

coordinates of the start and end points) in consultation with local administrative body • Review and identify the project terrain condition • Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas • With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas • Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.	
Phase II: Construction Supervision • Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements. • Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy. • Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure • The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports. • Collect information on soils and materials investigation made by the contractor for eventual use for the construction works. • The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer. • Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site. • The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service. • Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed. •	
Firm's Name:	Eastconsult Limited

2. Assignment Name: Consulting services for detailed design, preparation of Solicitation documents and Construction Supervision of Approximately 130km of selected Agricultural feeder roads in Luena and Nansanga Farm Blocks in Luapula and Central Provinces.
Approx. value of the contract in current in USD: 499,962.20

Country: Zambia Location within country: Central and Luapula Province s	Duration of assignment (months): 30Months
Name of the Client: Ministry of Agricultural Development (MLGRD) World Bank funded)	Total No. of Staff-Months of the assignment: 244
Address: P. O Box Long Acres, Lusaka	Approx. value of the services provided by your firm under the contract (in current USD: 499,962.20
Start Date: October 2024 Completion Date: August 2026	No of Staff-Months of Professional Staff provided by associated Consultant: N/A
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: <i>The project roads are located in Sinazongwe District of Southern Province Residential areas in the district consists of the following:</i> • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulders	
Detailed Description of Actual Services Provided by your Staff: Phase I: Concept Design Review • Submit his activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body • Review and identify the project terrain condition • Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas • With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas	

- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering

Firm's Name:

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3. Assignment Name: Consulting Services for the Design Review and Supervision for the Completion of Approximately 15.16km of Lusaka City Roads in Lusaka Province	
Approx. value of the contract in current in USD : 253,097.69	
Country: Zambia Location within country: Lusaka Province	Duration of assignment (months): 18 Months
Name of the Client: Ministry of Local and Rural Development (MLGRD) (GRZ funded)	Total No. of Staff-Months of the assignment: 75
Address: P. O Box 50027 , Long Acres, Lusaka	Approx. value of the services provided by your firm under the contract (in current USD : 253,097.69
Start Date: March 2024 Completion Date: March 2026	No of Staff-Months of Professional Staff provided by associated Consultant: N/A
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: <i>The project roads are located in Sinazongwe District of Southern Province Residential areas in the district consists of the following:</i> • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulders	
Detailed Description of Actual Services Provided by your Staff: Phase I: Concept Design Review • Submit his activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body • Review and identify the project terrain condition • Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient),	

mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas

- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
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Firm's Name:

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4. Assignment Name: Consultancy services for Design Review and Construction Supervision for the 10.5km of Urban Roads in Sinazongwe District of Southern Province	
Approx. value of the contract in current in USD: 292,148.36	
Country: Zambia Location within country: Southern Province	Duration of assignment (months): 14 Months
Name of the Client: Ministry of Local and Rural Development (MLGRD) (kfw funded)	Total No. of Staff-Months of the assignment: 74
Address: P. O Box 50027 , Long Acres, Lusaka	Approx. value of the services provided by your firm under the contract (in current USD: 292,148.36
Start Date: February 2024 Completion Date: May 2025	No of Staff-Months of Professional Staff provided by associated Consultant: N/A
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: <i>The project roads are located in Sinazongwe District of Southern Province Residential areas in the district consists of the following:</i> • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulders	
Detailed Description of Actual Services Provided by your Staff: Phase I: Concept Design Review • Submit his activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body • Review and identify the project terrain condition • Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas	

- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.

Firm's Name:

Eastconsult Limited

5. Assignment Name: Contract for Design and Construction Supervision Services for the Investment Packages in Southern Provinces, Lot 1: Sinazongwe and Kalomo districts	
Approx. value of the contract in current US\$ or Euro: Euro 576,425.65	
Country: Zambia Location within country: Southern Province	Duration of assignment (months): 36 Months
Name of the Client: Ministry of Local and Rural Development (MLGRD) (kfw funded)	Total No. of Staff-Months of the assignment: 282
Address: P. O Box 50027 , Long Acres, Lusaka	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro): Euro 576,425.65
Start Date: August 2022 Completion Date: August 2025	No of Staff-Months of Professional Staff provided by associated Consultant:
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: Detailed engineering designs, carrying out Geotechnical Investigation, Hydrology studies, Material sampling and testing, Bridge & Structural Design, Pavement designs, Traffic studies, cost control, Construction supervision. • Road Classification: Highway • Total Length: L=200km • Road Width: B=8m • Pavement: Asphalt Concrete • Bridge: 2 nos. • 6km of urban Drainage in Choma District	
Detailed Description of Actual Services Provided by your Staff: Phase I: Concept Design Review • Submit his activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project	

- Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points
- From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
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- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
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responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.

- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.

Firm's Name:	Eastconsult Limited
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6. Assignment Name: Consulting Services for the Design, Tender Document preparation and Construction Supervision and Upgrading of Approximately 15km of selected Urban Roads in Lusaka Province	
Approx. value of the contract in current in ZMW 3,000.000.00	
Country: Zambia Location within country: Lusaka Province	Duration of assignment (months): 18Months
Name of the Client: Ministry of Local Government and Rural Development MLGRD	Total No. of Staff-Months of the assignment: 282
Address: P.O Box 50027 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current IN ZMW 3,000.000.00
Start date (month/year): Jul 2022 Completion date (month/year): Dec 2023	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any:	Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: <i>The project roads are located in Lusaka City. Various Residential areas in the district consists of the following:</i> • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulder	
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- Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points
- From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
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- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

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- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of

responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.

- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:

Eastconsult Limited

7. Assignment Name: Consultancy Services for the Design Review and Construction Supervision of Approximately 132km of Urban Roads in Ndola City and Luanshya - Package 3 and, The Design Review and Construction Supervision of 154km in Ndola, Kalulushi and Chambeshi under The Zambia Urban Roads Programme of the Four (4) Districts in the Copperbelt Province.	
Approx. value of the contract in current in ZMW47,898,720.00	
Country: Zambia Location within country: Copperbelt Province	Duration of assignment (months): 36 Months
Name of the Client: Road Development Agency (GRZ funded)	Total No. of Staff-Months of the assignment: 482
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW47,898,720.00)
Start Date: February 2021 Completion Date: June 2023 (On-going)	No of Staff-Months of Professional Staff provided by associated Consultant:
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: - Design Review and Construction Supervision of Approximately 132km of Urban Roads in Ndola City and Luanshya - Package 3 and, - The Design Review and Construction Supervision of 154km in Ndola, Kalulushi and Chambeshi under The Zambia Urban Roads Programme of the Four (4) Districts in the Copperbelt Province.	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review - Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service - Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure - Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project - Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points	

- From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which

the contractor is obliged to have in place.

- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:

Eastconsult Limited

8. Assignment Name: Contract for Design and Construction Supervision for the Upgrading and Rehabilitation of 48.5Km of Selected Urban Roads in Lusaka District of Lusaka Province.	
Approx. value of the contract in current in ZMW 13,267,500.00	
Country: Zambia Location within country: Lusaka Province	Duration of assignment (months): 36 Months
Name of the Client: Ministry of Local Government and RURAL Development (MLGRD) (GRZ funded)	Total No. of Staff-Months of the assignment: 302
Address: P.O Box 50027, Long Acres Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 13,267,500.00
Start Date: October 2020 Completion Date: September 2023 (On-going)	No of Staff-Months of Professional Staff provided by associated Consultant:
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed: Eng. Patrick Tembo: Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: 48.8km of Various Residential areas of Lusaka City. • Removal of topsoil/unsuitable material where applicable: • Construction and creation of the standard road section as provided in the contract using borrow materials: • Construction of the stabilised sub-base • Construction of crushed stone base including shoulders • Drainage works include the construction of various diameter cross-culverts, access culverts and repairs and reconstruction of existing surface water drainage facilities and protection works. It also includes construction of concrete lined drains and repair of existing lined drains along the proposed roads.	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review • Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social	

- point of view and fits the purpose of the project
- Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points
 - From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
 - Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
 - Review and identify the project terrain condition
 - Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
 - With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
 - Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.

- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:

Eastconsult Limited

9. Assignment Name: Consultancy Services for the Detailed Designs and Preparation of Tender Documents for the Construction of a Bridge across the Zambezi River and Approximately 4Km of the Mize Embankment in Zambezi District of North Western Province of Zambia	
Approx. value of the contract in current in ZMW 10,422.600.00	
Country: Zambia Location within country: North Western Provinces	Duration of assignment (months): 10 Months
Name of the Client: Road Development Agency (World Bank funded)	Total No. of Staff-Months of the assignment: 44
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 10,422.600.00
Start date (month/year): Nov 2019 Completion date (month/year): Aug 2022	No of Staff-Months of Professional Staff provided by associated Consultant:
Name of associated Consultants, if any:	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: - The project is located on the Zambezi River in Zambezi District of North Western Province of Zambia. The Proposed Bridge will link the West Bank of Zambezi District to the East bank and will make sure that the two areas which are separated by the River are accessible for commerce and other activities throughout the whole year, - The project include the construction of 4km of an embankment between Chief Ndungu's Palace and the proposed bridge location,	
Detailed Description of Actual Services Provided by your Staff: Concept Designs - Conduct full topographic surveys and establish horizontal and vertical alignments and controls for the bridge and access road. - Conduct bathymetric surveys to determine the stream bed heights at the proposed Bridge site. - Carry out Geotechnical Investigation and materials investigations and determine soils and material characteristics - Profile logging of the existing subgrade soils and rock strata at the proposed bridge site - Carry out of an analysis of the Bridge options to meet the required need - Carry out Hydrological assessment and analysis - Carry out soils and materials investigations and determine soils and material	

characteristics of the access Road

- Carry out foundation and structural Design and detailing of Bridge Members
- Develop the Schedule of Quantities for civil works in form of the BOQs
- Prepare Contract Specifications and Construction Drawings
- Prepare the Tender Document
- The Team Leader compiled and submitted all the necessary Reports as required in the ToRs.

Firm's Name:

Eastconsult Limited

10. Assignment Name: Contract for Design Review and Construction Supervision Contract for the Upgrading to Bituminous Standard of the Solwezi to Kipushi Road 109km (D271) in North Western Province.	
Approx. value of the contract in current ZMW 27,571,576.00	
Country: Zambia Location within country: North western Province	Duration of assignment (months): 36 Months
Name of the Client: Road Development Agency	Total No. of Staff-Months of the assignment: 440
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 27,571,576.00
Start Date: October 2020 Completion Date: September 2023 (On-going)	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any: NIL	Name of Senior Staff (Resident Engineer/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard John Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: - The project road is located in North-Western Province. The road stretch runs from Solwezi district and ends in Kipushi. This road stretch is built on a clayey subgrade formation with a gravel wearing course; - The specific assignment under the Terms of Reference for the re-scoped works involve the detailed design of a gravel standard road. The scope involves the detailed design and construction supervision services during implementation of the project.	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review - Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service - Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure - Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project - Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points - From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option - Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body - Review and identify the project terrain condition - Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas	

- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular

supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge	
Firm's Name:	Eastconsult Limited

11. Assignment Name: Consulting Services for the Design, Construction Supervision and Upgrading of 15km Chipata, 10km Lundazi and 18km Chadiza District Roads to Bituminous Standards in Eastern Province.	
Approx. value of the contract in current in ZMW 9,777,500.00	
Country: Zambia Location within country: Eastern Province	Duration of assignment (months): 24 Months
Name of the Client: Ministry of Local Government and RURAL Development (MLGRD) (GRZ funded)	Total No. of Staff-Months of the assignment: 440
Address: P.O Box 50027 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 9,777,500.00
Start date (month/year): Jan 2014 Completion date (month/year): Dec 2017)	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/Coordinator, Team Leader) Involved and Functions Performed: Eng. Simon Tembo Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The project roads are located in in Chadiza, Chipata and Lundazi districts of Eastern Province. Various Residential areas in the three district consists of the following: • Drainage works include the construction of various diameter cross-culverts, access culverts and repairs and reconstruction of existing surface water drainage facilities and protection works. It also includes construction of concrete lined drains and repair of existing lined drains along the proposed roads.	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review • Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service	

- Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure
- Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project
- Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points
- From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of

site.

- The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:

Eastconsult Limited

12. Assignment Name: Consultancy Services Construction Supervision for the Upgrading and Rehabilitation of 74km Monze – Niko Road to Bituminous Standard (D365) in Southern province	
Approx. value of the contract in current ZMW 4,500,000.00	
Country: Zambia Location within country: Southern Province	Duration of assignment (months): 24 Months
Name of the Client: Road Development Agency	Total No. of Staff-Months of the assignment: 336
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 4,500,000.00
Start date (month/year): Jan 2014 Completion date (month/year): Dec 2016)	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Patrick Tembo Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The project road IS located in Southern province it branches off from the T2 Road that is the Livingstone to Kafue Road which terminates at turnpark. 74Km stretch of the D365 from Monze to Niko which is the junction with the Choma to Namwala Road Traffic investigations, investigation and testing of construction materials for both stability and quantity. Geometric design including adequate drainage structures and embankments design, environmental impact assessment etc.	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review • Submit activitiy plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option	

- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works,

even though such information is not the basis for approval of the contractor's activities.

- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:	Eastconsult Limited
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13. Assignment Name: Design and Construction Supervision of D301 from Muyombe Junction to Chama (32km) and Road from Chama to Luangwa River (42km) including 12km of the Urban Roads in Chama	
Approx. value of the contract in current ZMW 17,000,000.00	
Country: Zambia Location within country: Muchinga Province	Duration of assignment (months): 24 Months
Name of the Client: Road Development Agency	Total No. of Staff-Months of the assignment: 336
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current US\$ or Euro US\$ 880,417.44
Start date (month/year): Jan 2014 Completion date (month/year): Dec 2016)	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any: NIL	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Micheal Banda Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: Upgrading and Re-alignment of D103 from Muyombe Junction to Chama (32km) and road from Chama to Luangwa River (42km) including 12km of Urban Roads in Chama in Muchinga in Province of Zambia Lot 1	
Detailed Description of Actual Services Provided by your Staff: Phase I: Design Review • Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with	

local administrative body

- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated

calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.

- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- •Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.
- •Advice the contractor for any design changes as necessary or advisable to suit field conditions including improvement of alignments during construction. In particular supervision of any ground geotechnical investigations at the bridge sites carried out by the contractor reviews and modifies as necessary design of the bridge

Firm's Name:

Eastconsult Limited

14. Assignment Name: Consulting Services for the Design and Preparation of bidding Documents for a Countrywide Roll- out of the Output and Performance Based Road Contract – OPRC Region	
Approx. value of the contract in current ZMW 6,146,840.00	
Country: Zambia Location within country: Lusaka, Copperbelt and North Western Provinces	Duration of assignment (months): 24 Months
Name of the Client: Road Development Agency (World Bank funded)	Total No. of Staff-Months of the assignment: 336
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 6,146,840.00
Start date (month/year): October 2017 Completion date (month/year): Aug 2020	No of Staff-Months of Professional Staff provided by associated Consultant: 1
Name of associated Consultants, if any: Dasan Consultants	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The OPRC Contract for region II are located in North-Western, Copperbelt and Lusaka provinces. The PFRs branch off from the Trunk, Main and District Roads. • Field Surveys • Engineering Investigations • Soils and Materials Investigation • Engineering Designs • Earthworks and Pavement • Updating of Contract Documentation • Engineering Drawings • Review of Construction water sources • Review Construction Quantities • Environmental Impact Assessment • Preparation of bidding documents	
Detailed Description of Actual Services Provided by your Staff: Concept Designs • Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and	

further verify it through site observation and recommend appropriate measure

- Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project
- Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points
- From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option
- Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body
- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Firm's Name:

Eastconsult Limited

15. Assignment Name: Consultancy Services for the Design Review and Supervision of the Periodic Maintenance of approximately 10km of the T004 Great East Road from Arcades to Airport junction in Lusaka province	
Approx. value of the contract in current in ZMW 11,190.520.00	
Country: Zambia Location within country: Lusaka Province	Duration of assignment (months): 9Months
Name of the Client: Road Development Agency (RDA)	Total No. of Staff-Months of the assignment: 94
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current ZMW 11,190.520.00
Start date (month/year): December. 2013 Completion date (month/year): Nov ,2014	No of Staff-Months of Professional Staff provided by associated Consultant: 2
Name of associated Consultants, if any: Dasan Consultants	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard J Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: - The road is a dual carriageway located in the capital of Lusaka, in the Lusaka Province. It has an approximate distance of 10.0 km and has its start point at Arcades Circle which is approximately 4.0 kms directly east from the central business district of Lusaka town. - The end of the road is at the Airport junction circle approximately 7.0 Kms southeast of the Kenneth Kaunda International Airport on the eastern part of Lusaka.	
Detailed Description of Actual Services Provided by your Staff: Concept Design Review - Submit activity plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service - Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure - Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project - Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points - From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option - Review the identification of town sections undertaken by the Design Consultant	

along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body

- Review and identify the project terrain condition
- Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas
- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
- Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Phase II: Construction Supervision

- Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements.
- Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy.
- Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure
- The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.
- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desire quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's

activities.

- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).

Firm's Name:	Eastconsult Limited
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16. Assignment Name: Consultancy Services for Techno- Economic Study, Detailed Engineering Designs and Tender Document Preparation for the Upgrading of 135km Matebele – Shangombo road	
Approx. value of the contract in current in ZMW 4.7m	
Country: Zambia Location within country: Western Province	Duration of assignment (months): 8 Months
Name of the Client: Road Development Agency (RDA)	Total No. of Staff-Months of the assignment: 36
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current zmw4.7m)
Start date (month/year): Aug 2013 Completion date (month/year): April 2014	No of Staff-Months of Professional Staff provided by associated Consultant: 6
Name of associated Consultants, if any: Knight Piesold	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Patrick Tembo Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The Road (RD 463) is located in shangombo district, ha approximately distance of 135km and has its eastern terminal at matebele junction with M10 and ends at central cross roads within shangombo Boma as its western terminal	
Detailed Description of Actual Services Provided by your Staff: Concept Design Review - Submit activitiy plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service - Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure - Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project - Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points - From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option - Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body - Review and identify the project terrain condition - Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas - With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas - Review the produced the tender document including Employer's Requirements component	

from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.
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Firm's Name:	Eastconsult Limited
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17. Assignment Name: Consultancy for Techno-Economic Studies, Detailed Engineering Designs and Preparation of Tender Documents for Upgrading/ Construction of the Isoka-Muyombe-Chama-Lundazi Road (420Km)	
Approx. value of the contract in current in ZMW 5.4M	
Country: Zambia Location within country: Muchinga and Eastern Province	Duration of assignment (months): 7Months
Name of the Client: Road Development Agency	Total No. of Staff-Months of the assignment: 36
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current in ZMW 5.4m)
Start date (month/year): Feb 2013 Completion date (month/year): Sept 2013	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any: BNC Consult Ltd	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Richard Ndhlovu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The contract is for the provision of engineering services for surveys, design, and preparation of bid documents for the Isoka-Muyombe- Chama-Lundazi Road. Liaison with client, carrying out topographic surveys, soils and materials investigations, drainage studies, environmental impact assessment, preparation of drawings and construction plans, cost estimates and preparation of tender documents	
Detailed Description of Actual Services Provided by your Staff: Detailed Design Review • Submit activitiy plan and time schedule to the Client before starting any works of his consultancy service or within 3 working days from the commencement date of the service • Compile a list of major initial findings and critical items from desk studies and further verify it through site observation and recommend appropriate measure • Review and confirm that the project's beginning, intermediate control points and end control points proposed by former Design Consultant are acceptable from social point of view and fits the purpose of the project • Using latest topographic maps and/or satellite imagery (with higher degree of resolution), review the selected alternate alignments that pass through the control points • From the above alignment review and supplemented by other components of the desktop study; determine the approximate length of the preferred option • Review the identification of town sections undertaken by the Design Consultant along the alignment (population size, master plan of the town, length of the town sections with X and Y coordinates of the start and end points) in consultation with local administrative body • Review and identify the project terrain condition • Review the Concept design and confirm the project locations where it is impossible to implement ERA's Design Standards especially on very flat (especially Min gradient), mountains and escarpment terrains and propose to what extent the design criterion can be relaxed on such problematic areas	

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- With site observation, review the conducted preliminary identification of problematic areas (giving special attention for problematic areas such as landslide prone areas, extent of expansive soil and swampy area, etc) and shall give possible recommendation to take remedial measure on these areas
 - Review the produced the tender document including Employer's Requirements component from the above preliminary study; design manuals, and supplemented by internationally recognized standards to fill the gaps (if any) in the manuals and standards; and prepare tender documents.

Firm's Name:	Eastconsult Limited
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18. Assignment Name: Supervision of the Periodic Maintenance of Tateyoyo Gate to Katunda / Lukulu Junction and Katunda / Lukulu Junction to Mongu (M009 Road) 263km)	
Approx. value of the contract in current in ZMW 3.8M	
Country: Zambia Location within country: Western Province	Duration of assignment (months): 36Months
Name of the Client: Road Development Agency	Total No. of Staff-Months of the assignment: 448
Address: P.O Box 50003 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current in ZMW 3.8m)
Start date (month/year): Feb 2013 Completion date (month/year): Sept 2013	No of Staff-Months of Professional Staff provided by associated Consultant: 48
Name of associated Consultants, if any: Gladstone Consultants	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Marijani Lungu Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: Periodic maintenance of roads and civil works include pothole patching, edge break repairs, reinstatement of existing drains reconstruction of selected section of existing pavement and single surfacing dressing.	
Description of actual services provided in the assignment: Construction Supervision • Check and verify the topographical survey and the established triangulation beacons undertaken by the Contractor. In addition to this verify the accuracy of the survey stations, in accordance with the Standard and Specifications. Check and verify the materials survey and the identified source of materials, and the hydrological survey and conclusion reached, including land acquisition requirements. • Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy. • Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure • The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy himself of the sufficiency of these engineering drawings, plans, design calculations,	

and the associated materials report and sources of materials identified and any other pertinent reports.

- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- The Consultant shall liaise closely with authorities concerned on the proposed relocation of any utility services. The Consultant shall check and verify the detailed plans and proposals for the relocation of these services if affected by the proposed work. All official dealings with any service agencies shall be done through the Employer.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.

Firm's Name:

Eastconsult Limited

19. Assignment Name: Consulting Services Contract for the Completion of outstanding works for the Rehabilitation of 15.04kms of Selected Urban Roads in Lusaka City - Lusaka Province.	
Approx. value of the contract in current in ZMW 16,288,140.00	
Country: Zambia Location within country: Lusaka Province	Duration of assignment (months): 24Months
Name of the Client: MLGRD	Total No. of Staff-Months of the assignment: 448
Address: P.O Box 5000327 Lusaka, Zambia	Approx. value of the services provided by your firm under the contract (in current in ZMW 16,288,140.00
Start date (month/year): July, 2009 Completion date (month/year):- August , 2013	No of Staff-Months of Professional Staff provided by associated Consultant: Nil
Name of associated Consultants, if any:	Name of Senior Staff (Project Director/ Coordinator, Team Leader) Involved and Functions Performed: Eng. Patrick Tembo Guidance and support of both design and site supervision staff. Co-ordination of specialist services and backstopping if required Overall responsibility for all technical and administrative aspects. Principal contact person for client liaison, supervision of all activities of other staff members, quality control, contractual and administrative advice. Monitoring performance of project to ensure adequate performance of the contract
Detailed Narrative Description of Project: The project roads are located in Lusaka City. Various Residential areas in the district consists of the following: • Clearing and Shaping of existing open drains • Removal of topsoil/unsuitable material where applicable • Construction and creation of the standard road section as provided in the contract using existing Pavement and borrow materials. • Construction of the sub-base from imported near borrow pits • Construction of the stabilised gravel base including shoulders	
Description of actual services provided in the assignment: Construction Supervision • Review and approve the Geotechnical report; check sampling and testing methods and procedures according to the standard. Accompanied by relevant investigations, verify the sufficiency of the pavement design with respect to strength and economy. • Review drainage investigation report prepared by the Contractor and check and verify the capacity analysis of the drainage structure • The Consultant shall review and approve the engineering drawing, plan & profile, design calculations and other documents and shall verify the sufficiency and accuracy of the horizontal & vertical alignment proposed pursuant to the Employer's Requirement. The Consultant shall carefully and comprehensively check and satisfy	

himself of the sufficiency of these engineering drawings, plans, design calculations, and the associated materials report and sources of materials identified and any other pertinent reports.

- Collect information on soils and materials investigation made by the contractor for eventual use for the construction works.
- Liaise with ERA Regional Administration to ensure the implementation of the Resettlement Action Plan before the Contractor is given possession of any section of site.
- The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end, a quality assurance manual needs to be developed at early stages of the service.
- Organize the supervision of the project implementation with proper allocation of responsibilities to individual members of the consultant supervision team and supervise their work in order to ensure that it is effectively executed.
- Check and verify, on a regular, basis the validity of all insurances/guaranties which the contractor is obliged to have in place.
- Record all information of the contractor's setting out and preparation for the works, even though such information is not the basis for approval of the contractor's activities.
- Review the Contractor's proposed working drawing/plans and associated calculations. Give advice of any changes required as a result of errors in calculation or engineering judgment.
- For all soils and materials proposed and used by the contractor in the works conduct all necessary tests and advisable inspection, sampling, testing and analysis for compliance with the Employer's Requirements at source and in the laboratory and compile the information for future use.
- With due diligence and efficiency, supervise fully the construction of the works which are to be executed in accordance with sound technical and administration practices. The Consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified in the design and construct contract specification (Employer's requirements).
- Check that the Contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, advising the contractor to carry out all such works deemed necessary in case of emergency affecting the safety of personnel, works and adjacent property.

Firm's Name:

Eastconsult Limited

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