

**C2.2 Activity Schedule**

**C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider**

**MULTI-DISCIPLINARY PROFESSIONAL SERVICES**

**SUMMARY ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR ALL PROFESSIONAL SERVICES COMPRISING THE SERVICE PROVIDER**

Tenderer's Tender for Value Based Fees for:		
PROFESSIONAL SERVICE	*Percentage of respective normal fees tendered by professional service	*Financial Offer by Tenderer for Value Based Fees
1. Architectural Services	% (b)	R (15)
2. Quantity Surveying Services	% (d)	R 985 000.95(30)
3. Civil Engineering Services	% (f)	R (46)
4. Electrical Engineering Services	% (h)	R 944 290.82(62)
5. Mechanical Engineering Services	% (j)	R 944 290.82(78)
6. Structural Engineering Services	% (l)	R (93)
<b>Sub-total</b>		<b>R (94)</b>
<b>Add VAT</b> [(94) X CURRENT VAT RATE]		<b>R (95)</b>
<b><u>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES</u></b> <sub>(94+95)</sub>		<b>R 2 873 582.59(96)</b>

[\* Mark "N/A" should the specific professional Service comprising the Service Provider not be required (not listed in C1.1 Form of Offer and Acceptance).]

**NOTE:** 1. Total Financial Offer for Value Based Fees, (96) above, **must be carried over to C1.1 Form of Offer and Acceptance**. Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.

## **C2.2.A Activities for architects**

- C2.2.A.1** The services as defined in the C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the 2023 NDPWI - Scope of Architectural Services and Tariff of Fees (Annexure B), clause 3 and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document.  
The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.5.1 of the Contract Data.
- C2.2.A.2** The estimated normal fees have been calculated using the 2023 NDPWI - Scope of Architectural Services and Tariff of Fees, (Annexure B), by applying the applicable fee scale given in clause A, to determine the basic fee.  
  
No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.A.7 that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (b).
- C2.2.A.3** The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 NDPWI - Scope of Architectural Services and Tariff of Fees, (Annexure B), clause 8.3.
- C2.2.A.4** The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services hereof.

## **ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR ARCHITECTS**

### **Tenderer's Tender for Value Based Fees for Architects**

#### **Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.A.7**

Latest estimate of cost of construction	(a) Estimated normal fees calculated according to C2.1.2.2 and C2.1.3.A.1 above	X	(b) Percentage of normal fees tendered by Tenderer	(a)x(b) Financial Offer by Tenderer for Value Based Fees
N/A	N/A	X	%	= R (1)

Additional Services – C2.1.3.A.7				
Description	Quantity	Unit	Rate	Value
Type in detail of additional services N/A	(type in quantity required)	(type in the unit e.g. monthly, hourly etc.)	R	= R (2)
Type in detail of additional services N/A	N/A	hours	R	= R (3)
<b>Sub-total Additional Services (2+3)</b>				= R (4)
<b>Supplementary Services</b>				
Administer Targeted Procurement and Contract Participation Goals applicable to the Contractor N/A	N/A	hours	R	= R (5)
<b>Total Additional and Supplementary Services (4+5)</b>				= R (6)
<b>Appointment of sub-consultants / specialists</b>				
As direct sub-consultant, to be appointed by the Service Provider, for: <b>A social facilitator to conduct the feasibility study for CPGs to be implemented on the project.</b> N/A	N/A	-	-	= R (7)
As direct sub-consultant, to be appointed by the Service Provider, for: (type in the sub-consultant required) N/A	N/A	-	-	= R (8)
<b>Sub-total Sub-consultants / Specialists (7+8)</b>				= R (9)
<b>Administration of Sub-consultants/ Specialists</b>				= R (10)
<b>Total Sub-consultants / Specialists (9 +10)</b>				= R (11)
<b>Total Travelling Disbursements (Table A below)</b>				= R (12)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>				= R (type in a provisional amount) (13)
<b>Contract Skills Development Goal Cost (Provisional Sum)</b>				= R (type in a provisional amount) (14)

<b>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR ARCHITECTURAL SERVICES (VAT EXCLUDED)</b> <b>Sub-total Discounted fees + Total Additional and Supplementary Services + Total Sub-consultants/ Specialists + Total Travelling Disbursements + Typing, Printing, Duplicating and Forwarding Charges + Contract Skills Development Goal C (1+6+11+12+13+14)</b>	<b>= R</b> (15)

- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (14) above, as well as the percentage of normal fees tendered, (b) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction) **duly excluding any fee increase/decrease factors as described in 2023 NDPWI - Scope of Architectural Services and Tariff of Fees.** The percentage of the normal fee shall apply to each stage for services provided in stages.
3. Supplementary Services: Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.
4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (12) above.
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
	Subsistence	Per Trip		-			R

2.			X		X	(type in the number of anticipated trips)	
3.	Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (12)</b>						<b>R</b>

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total (if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
7.		R	X		R
8.	<b>Total carried over to Table A, Item 4</b>				<b>R</b>

**7. Contract Skills Development Goal Cost**

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

**8. The Skills Development Participation Costs to be calculated as follows:**

## 8.1 Skills Development

### 8.1.1 Number of Hours:

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

## 8.2 Calculating the Notional Cost per hour

8.2.1 Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

8.2.2 Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours

8.2.3 Notional Cost per Hour = 8.2.1 / 8.2.2

## 8.3 Calculating the Notional Cost Example:

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours

Total number of hours per quarter = 40 hours per week x 4 weeks x 3 months = 480 hours

Notional cost per hour "Method 4" =  $R71\,500 \text{ per quarter} / 480 \text{ hours} = R148.95 \text{ per hour}$

Total Notional cost =  $R148.95 \text{ (Rate per hour)} \times 840 \text{ (total number of hours)} = R125\,118.00$

**C2.2.Q Activities for quantity surveyors**

**C2.2.Q.1** The services as defined in the C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the Guideline Tariff of Professional Fees in Respect of Services Rendered by a Quantity Surveyor in Private Practice (the 2023 Guideline Tariff of Professional Fees), clauses 10.6, and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document.

The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.4.1 of the Contract Data.

**C2.2.Q.2** The estimated normal fees have been calculated using the 2023 Guideline Tariff of Professional Fees, by applying the applicable fee scale given in clause 2.2, to determine the basic fee. The 2023 Guideline Tariff of Professional Fees is available on the website of The South African Council for the Quantity Surveying Profession.

No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.Q.11 that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (d).

**C2.2.Q.3** The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 Guideline Tariff of Professional Fees, clauses 2.7.

**C2.2.Q.4** The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services hereof.

**ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR QUANTITY SURVEYORS**

**Tenderer's Tender for Value Based Fees for Quantity Surveyors**

**Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.Q.11**

Latest estimate of cost of construction	(c) Estimated normal fees calculated according to C2.1.2.2 and C2.1.3.Q.1 above	X	(d) Percentage of normal fees tendered by Tenderer	(c)x(d) Financial Offer by Tenderer for Value Based Fees
R 8 974 987.0 0	R 631 858.45	X	%	= R (16)

<b>Additional Services – C2.1.3.Q.11</b>				
Description	Quantity	Unit	Rate	Value
Type in detail of additional services N/A	(type in quantity required)	(type in the unit e.g. monthly, hourly etc.)	R	= R (17)
Type in detail of additional services N/A	N/A	hours	R	= R (18)
<b>Sub-total Additional Services (17+18)</b>				= R (19)
<b>Supplementary Services</b>				
Administer Targeted Procurement and Contract Participation Goals applicable to the Contractor N/A	N/A	hours	R	= R (20)
<b>Total Additional and Supplementary Services (19+20)</b>				= R (21)
<b>Appointment of sub-consultants / specialists</b>				
As direct sub-consultant, to be appointed by the Service Provider, for: (type in the sub-consultant required) N/A	N/A	-	-	= R (22)
As direct sub-consultant, to be appointed by the Service Provider, for: (type in the sub-consultant required) N/A	N/A	-	-	= R (23)
<b>Sub-total Sub-consultants / Specialists (22+23)</b>				= R (24)
<b>Administration of Sub-consultants/ Specialists</b>				= R (25)
<b>Total Sub-consultants / Specialists (24 +25)</b>				= R (26)
<b>Total Travelling Disbursements (Table A below)</b>				= R 224 282.30(27)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>				= R 128 860.20(28)
<b>Contract Skills Development Goal Cost (Provisional Sum) N/A</b>				R (29)
<b>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR QUANTITY SURVEYORS (VAT EXCLUDED)</b>				R (30)



**Sub-total Discounted fees + Total Additional and Supplementary Services + Total Sub-consultants/ Specialists + Total Travelling Disbursements + Contract Skills Development Goal Cost (16+21+26+27+28+29)**

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- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (28) above, as well as the percentage of normal fees tendered, (d) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction) **duly excluding any fee increase/decrease factors as described in the 2023 Guideline Tariff of Professional Fees..** The percentage of the normal fee shall apply to each stage for services provided in stages.
3. Supplementary Services: Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.
4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (27) above.
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
2.	Subsistence	Per Trip R	X	-	X	(type in the number of anticipated trips)	R

3.	Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (27)</b>						R

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total (if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
7.		R	X		R
8.	<b>Total carried over to Table A, Item 4</b>				R

**7. Contract Skills Development Goal Cost**

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

8. The Skills Development Participation Costs to be calculated as follows:

8.1 Skills Development

8.1.1 Number of Hours:

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

8.2 Calculating the Notional Cost per hour

8.2.1 Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

8.2.2 Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours

8.2.3 Notional Cost per Hour = 8.2.1 / 8.2.2

8.3 Calculating the Notional Cost Example:

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours

Total number of hours per quarter = 40 hours per week x 4 weeks x 3 months = 480 hours

Notional cost per hour "Method 4" =  $R71\,500 \text{ per quarter} / 480 \text{ hours} = R148.95 \text{ per hour}$

Total Notional cost =  $R148.95 \text{ (Rate per hour)} \times 840 \text{ (total number of hours)} = R125\,118.00$

**C2.2.C Activities for civil engineers**

- C2.2.C.1 The services as defined in C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (Annexure A), clause 3 and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document. (The clause references refer to the corresponding clauses in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees.)

The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.5.1 of the Contract Data.

- C2.2.C.2 The estimated normal fees have been calculated using the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), by applying the applicable fee scale given in clause 4.2.1 (1)-(2) for an engineering project or clause 4.2.2 (1) for a multi-disciplinary project, to determine the basic fee and by multiplying the basic fee by the applicable multiplication factor given in clause 4.2.1 (4) or clause 4.2.2 (2) respectively. The **cost of the works** and the values used to determine the multiplication factors are defined in C3.0.4 'Project Cost Estimate'.

No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.En.5 'Additional services' that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (f) of C2.2.C.4 'Activity schedule for value based fees for civil engineers'.

- C2.2.C.2 The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), clause 4.2.8.
- C2.2.C.3 The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services.

C2.2.C.4 Activity schedule for value based fees for civil engineers

## ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR CIVIL ENGINEERS

<b>Tenderer's Tender for Value Based Fees for Civil Engineers</b>				
<b>Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.En.5</b>				
Latest net estimate of the construction cost for the Civil Works	(e) Estimated normal fees calculated according to C2.1.3.En.1 and C2.2.1.2 above	X	(f) Percentage of normal fees tendered by Tenderer	(e)x(f) Financial Offer by Tenderer for Value Based Fees
N/A	N/A	X	%	= R (31)
<b>Additional Services – C2.1.3.En.5</b>				
Description	Quantity	Unit	Rate	Value
N/A	N/A	(type in the unit e.g. monthl y, hourly etc.)	R	= R (32)
N/A	50	hours	R	= R (33)
<b>Sub-total Additional Services (32+33)</b>				= R (34)
<b>Supplementary Services</b>				
N/A	N/A	hours	R	= R (35)
<b>Total Additional and Supplementary Services (34+35)</b>				= R (36)
<b>Appointment of sub-consultants / specialists</b>				
N/A	N/A	-	-	= R (37)
N/A	N/A	-	-	= R (38)
As direct sub-consultant, to be appointed by the Service Provider, for: Specialist to conduct Contract Participation Goal feasibility study N/A	N/A	-	-	= R (39)
<b>Sub-total Sub-consultants / Specialists (36+37+38)</b>				= R (40)
<b>Administration of Sub-consultants/ Specialists</b>				= R (41)

<b>Total Sub-consultants / Specialists (40+41)</b>	= R (42)
<b>Total Travelling Disbursements (Table A below)</b>	= R (43)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>	= R (type in a provisional amount) (44)
<b>Contract Skills Development Goal Cost (Provisional Sum)</b> N/A	= R (type in a provisional amount) (45)
<b><u>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR CIVIL ENGINEERS (VAT EXCLUDED)</u></b> <b>Sub-total Discounted fees + Total Additional and Supplementary Services + Total Sub-consultants/ Specialists + Total Travelling Disbursements+ Typing, Printing, Duplicating and Forwarding Charges + Contract Skills Development Goal Cost (31+36+42+43+44+45)</b>	
	R (46)

- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (43) above, as well as the percentage of normal fees tendered, (f) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction). The percentage of the normal fee shall apply to each stage for services provided in stages.
3. Supplementary Services: Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.
4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (43) above.
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
2.	Subsistence	Per Trip R	X	-	X	(type in the number of anticipated trips)	R
3.	Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (43)</b>						R

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total (if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
					R

7.		R	X		
8.	<b>Total carried over to Table A, Item 4</b>				R

7. Contract Skills Development Goal Cost

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

8. The Skills Development Participation Costs to be calculated as follows:

8.1 Skills Development

8.1.1 Number of Hours:

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

8.2 Calculating the Notional Cost per hour

8.2.1 Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

8.2.2 Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours

8.2.3 Notional Cost per Hour = 8.2.1 / 8.2.2

8.3 Calculating the Notional Cost Example:

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours

Total number of hours per quarter = 40 hours per week x 4 weeks x 3 months = 480 hours

Notional cost per hour "Method 4" =  $R71\,500 \text{ per quarter} / 480 \text{ hours} = R148.95 \text{ per hour}$

Total Notional cost =  $R148.95 \text{ (Rate per hour)} \times 840 \text{ (total number of hours)} = R125\,118.00$



**C2.2.E Activities for electrical engineers**

- C2.2.E.1 The services as defined in C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees(annexure A), clause 3 and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document. (The clause references refer to the corresponding clauses in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees.)

The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.5.1 of the Contract Data.

- C2.2.E.2 The estimated normal fees have been calculated using the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), by applying the applicable fee scale given in clause 4.2.6 (1) for an engineering project or clause 4.2.7 (1) for a multi-disciplinary project, to determine the basic fee and by multiplying the basic fee by the applicable multiplication factor given in clause 4.2.6 (2) or clause 4.2.7 (2) respectively. The cost of the works and the values used to determine the multiplication factors are defined in C3.0.4 'Project Cost Estimate'.

No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.En.5 'Additional services' that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (h) of C2.2.E.4 'Activity schedule for value based fees for electrical engineers'.

- C2.2.E.2 The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), clause 4.2.8.
- C2.2.E.3 The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services.

C2.2.E.4 Activity schedule for value based fees for electrical engineers

## ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR ELECTRICAL ENGINEERS

Tenderer's Tender for Value Based Fees for Electrical Engineers				
Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.En.5				
Latest net estimate of the construction cost for the Electrical Works	(g) Estimated normal fees calculated according to C2.1.3.En.1 and C2.2.E.2 above	X	(h) Percentage of normal fees tendered by Tenderer	(g)x(h) Financial Offer by Tenderer for Value Based Fees
R 2 888 126.00	R 639 933.42	X	%	= R (47)
Additional Services – C2.1.3.En.5				
Description	Quantity	Unit	Rate	Value
Level Two, Full time construction monitoring N/A	(type in estimated construction period)	(type in the unit e.g. monthly, hourly etc.)	R	= R (48)
Any other additional services that may be required by Employer. N/A	N/A	hours	R	= R (49)
<b>Sub-total Additional Services (48+49)</b>				= R (50)
Supplementary Services				
Administer Targeted Procurement and Contract Participation Goals applicable to the Contractor N/A	N/A	hours	R	= R (51)
<b>Total Additional and Supplementary Services (50+51)</b>				= R (52)
Appointment of sub-consultants / specialists				
As direct sub-consultant, to be appointed by the Service Provider, for: geotechnical investigation, complete with test results and foundation recommendations, of the site identified in C3.2.2.2 N/A	Provisional Sum	-	-	= R (53)

As direct sub-consultant, to be appointed by the Service Provider, for: Engineering survey of the site identified in C3.2.2.2, including bench mark height, contours, existing structures / services / topographical detail and verification of corner peg positions – in accordance with the departmental Manual (available on website) N/A	N/A	-	-	= R	(54)
As direct sub-consultant, to be appointed by the Service Provider, for: Specialist to conduct Contract Participation Goal feasibility study N/A	N/A	-	-	= R	(55)
<b>Sub-total Sub-consultants / Specialists (53+54+55)</b>				= R	(56)
<b>Administration of Sub-consultants/ Specialists</b>				= R	(57)
<b>Total Sub-consultants / Specialists (56+57)</b>				= R	(58)
<b>Total Travelling Disbursements (Table A below)</b>				= R	224 282.30(59)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>				= R	80 075.10(60)
<b>Contract Skills Development Goal Cost (Provisional Sum)</b> N/A				= R	(type in a provisional amount) (61)
<b>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR ELECTRICAL ENGINEERS (VAT EXCLUDED)</b> Sub-total Discounted fees + Total Additional and Supplementary Services + Total Sub-consultants/ Specialists + Total Travelling Disbursements + Typing, Printing, Duplicating and Forwarding Charges + Contract Skills Development Goal Cost (46+51+57+58+59+60)				R	(62)

- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (58) above, as well as the percentage of normal fees tendered, (h) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction). The percentage of the normal fee shall apply to each stage for services provided in stages.
3. Supplementary Services: Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in

liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.

4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (59) above.
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
2.	Subsistence	Per Trip R	X	-	X	(type in the number of anticipated trips)	R
3.	* Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (59)</b>						<b>R</b>

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total
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					(if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
7.		R	X		R
8.	<b>Total carried over to Table A, Item 4</b>				R

7. Contract Skills Development Goal Cost

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

8. The Skills Development Participation Costs to be calculated as follows:

8.1 Skills Development

8.1.1 Number of Hours:

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

8.2 Calculating the Notional Cost per hour

8.2.1 Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

8.2.2 Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours.

8.2.3 Notional Cost per Hour = 8.2.1 / 8.2.2

8.3 Calculating the Notional Cost Example:

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required =  $5.6 \times 150 = 840$  hours

Total number of hours per quarter = 40 hours per week  $\times$  4 weeks  $\times$  3 months = 480 hours

Notional cost per hour "Method 4" = R71 500 per quarter / 480 hours = R148.95 per hour

Total Notional cost = R148.95 (Rate per hour)  $\times$  840 (total number of hours) = R125 118.00

**C2.2.M Activities for mechanical engineers**

- C2.2.M.1 The services as defined in C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees(annexure A), clause 3 and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document. (The clause references refer to the corresponding clauses in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees.)

The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.5.1 of the Contract Data.

- C2.2.M.2 The estimated normal fees have been calculated using the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), by applying the applicable fee scale given in clause 4.2.4 (1) for an engineering project or clause 4.2.5 (1) for a multi-disciplinary project, to determine the basic fee and by multiplying the basic fee by the applicable multiplication factor given in clause 4.2.4 (2) or clause 4.2.5 (2) respectively. The cost of the works and the values used to determine the multiplication factors are defined in C3.0.4 'Project Cost Estimate'.

No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.En.5 'Additional services' that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (j) of C2.2.M.4 'Activity schedule for value based fees for mechanical engineers'.

- C2.2.M.2 The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), clause 4.2.8.
- C2.2.M.3 The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services.

C2.2.M.4 Activity schedule for value based fees for mechanical engineers

## ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR MECHANICAL ENGINEERS

Tenderer's Tender for Value Based Fees for Mechanical Engineers				
Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.En.5				
Latest net estimate of the construction cost for the Mechanical Works	(i) Estimated normal fees calculated according to C2.1.3.En.1 and C2.2.M.2 above	X	(j) Percentage of normal fees tendered by Tenderer	(i)x(j) Financial Offer by Tenderer for Value Based Fees
R 2 888 126.00	R 639 933.42	X	%	= R (63)
Additional Services – C2.1.3.En.5				
Description	Quantity	Unit	Rate	Value
Level Two, Full time construction monitoring N/A	(type in estimated construction period)	(type in the unit e.g. monthl y, hourly etc.)	R	= R (64)
Any other additional services that may be required by Employer. N/A	N/A	hours	R	= R (65)
Sub-total Additional Services (64+65)				= R (66)
Supplementary Services				
Administer Targeted Procurement and Contract Participation Goals applicable to the Contractor N/A	N/A	hours	R	= R (67)
Total Additional and Supplementary Services (66+67)				= R (68)
Appointment of sub-consultants / specialists				
As direct sub-consultant, to be appointed by the Service Provider, for: geotechnical investigation, complete with test results and foundation recommendations, of the site identified in C3.2.2.2 N/A	Provisional Sum	-	-	= R (69)



As direct sub-consultant, to be appointed by the Service Provider, for: Engineering survey of the site identified in C3.2.2.2, including bench mark height, contours, existing structures / services / topographical detail and verification of corner peg positions – in accordance with the departmental Manual (available on website) N/A	Provisional Sum	-	-	= R	(70)
As direct sub-consultant, to be appointed by the Service Provider, for: Specialist to conduct Contract Participation Goal feasibility study N/A	Provisional Sum	-	-	= R	(71)
<b>Sub-total Sub-consultants / Specialists (69+70+71)</b>				= R	(72)
<b>Administration of Sub-consultants/ Specialists</b>				= R	(73)
<b>Total Sub-consultants / Specialists (72+73)</b>				= R	(74)
<b>Total Travelling Disbursements (Table A below)</b>				= R	224 282.30(75)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>				= R	80 075.10(76)
<b>Contract Skills Development Goal Cost (Provisional Sum)</b> N/A				= R	(type in a provisional amount) (77)
<b>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR MECHANICAL ENGINEERS (VAT EXCLUDED)</b> <b>Sub-total Discounted fees + Additional Services + Supplementary services + Sub-consultants/Specialists + Travelling Disbursements+ Typing, Printing, Duplicating and Forwarding Charges + Contract Skills Development Goal (63+68+74+75+76+77)</b>				R	(78)

- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (73) above, as well as the percentage of normal fees tendered, (j) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction). The percentage of the normal fee shall apply to each stage for services provided in stages.

3. **Supplementary Services:** Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.
4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (75).
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
2.	Subsistence	Per Trip R	X	-	X	(type in the number of anticipated trips)	R
3.	* Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (75)</b>						<b>R</b>

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total (if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
7.		R	X		R
8.	<b>Total carried over to Table A, Item 4</b>				R

7. Contract Skills Development Goal Cost

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

8. The Skills Development Participation Costs to be calculated as follows:

8.1 Skills Development

8.1.1 Number of Hours:

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

8.2 Calculating the Notional Cost per hour

8.2.1 Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

8.2.2 Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours

8.2.3 Notional Cost per Hour = 8.2.1 / 8.2.2

8.3 Calculating the Notional Cost Example:

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required = R5.6 x 150 = 840 hours

Total number of hours per quarter = 40 hours per week x 4 weeks x 3 months = 480 hours

Notional cost per hour "Method 4" = R71 500 per quarter / 480 hours = R148.95 per hour

Total Notional cost = R148.95 (Rate per hour) x 840 (total number of hours) = R125 118.00

**C2.2.S Activities for structural engineers**

C2.2.S.1 The services as defined in C3 Scope of Services are required. The activity schedule below lists the normal services as defined in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees(annexure A), clause 3 and as further defined in C3 Scope of Services, as well as additional services as defined in C3 Scope of Services, of this document. (The clause references refer to the corresponding clauses in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees.)

The applicable fee scale will only be amended to the latest fee scale in use by NDPWI should the project be suspended or where there is no activity for more than two (2) years, and the Employer elects to retain the services of the Service Provider upon uplifting the Suspension in terms of Clause 8.5.1 of the Contract Data.

C2.2.S.2 The estimated normal fees have been calculated using the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), by applying the applicable fee scale given in clause 4.2.1 (1)-(2) for an engineering project or clause 4.2.3 (1) for a multi-disciplinary project, to determine the basic fee and by multiplying the basic fee by the applicable multiplication factor given in clause 4.2.1 (4) or clause 4.2.3 (2) respectively. The cost of the works and the values used to determine the multiplication factors are defined in C3.04 'Project Cost Estimate'.

No allowance has been made in the estimated normal fees below for the additional services in C2.1.3.En.5 'Additional services' that have been specified to be included in the normal fees. The tenderer shall make provision for the cost of the additional services that are to be included under normal services by adjusting the percentage tendered in column (I) of C2.2.S.4 'Activity schedule for value based fees for structural engineers'.

C2.2.S.2 The services are to be provided in stages and the proportioning of the fee for normal services over the various stages shall be as set out in the 2023 NDPWI - Scope of Engineering Services and Tariff of Fees (annexure A), clause 4.2.8.

C2.2.S.3 The tenderer must make provision for all activities necessary for the execution of the service as set out in C3 Scope of Services.

C2.2.S.4 Activity schedule for value based fees for structural engineers

## ACTIVITY SCHEDULE FOR VALUE BASED FEES FOR STRUCTURAL ENGINEERS

### Tenderer's Tender for Value Based Fees for Structural Engineers

Fee for Normal Services inclusive of certain additional services as specified in C2.1.3.En.5

Latest net estimate of the construction cost for the Structural Works	(k) Estimated normal fees calculated according to C2.1.3.En.1 and C2.2.S.2 above	X	(l) Percentage of normal fees tendered by Tenderer	(k)x(l) Financial Offer by Tenderer for Value Based Fees
N/A	N/A	X	%	= R (79)

### Additional Services – C2.1.3.En.5

Description	Quantity	Unit	Rate	Value
Level Two, Full time construction monitoring N/A	N/A	(type in the unit e.g. monthl y, hourly etc.)	R	= R (80)
Any other additional services that may be required by Employer. N/A	N/A	hours	R	= R (81)

**Sub-total Additional Services (80+81)** = R (82)

Supplementary Services				
Administer Targeted Procurement and Contract Participation Goals applicable to the Contractor N/A	N/A	hours	R	= R (83)

**Total Additional and Supplementary Services (82+83)** = R (84)

### Appointment of sub-consultants / specialists

As direct sub-consultant, to be appointed by the Service Provider, for: geotechnical investigation, complete with test results and foundation recommendations, of the site identified in C3.2.2.2 N/A	N/A	-	-	= R (85)
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As direct sub-consultant, to be appointed by the Service Provider, for: Engineering survey of the site identified in C3.2.2.2, including bench mark height, contours, existing structures / services / topographical detail and verification of corner peg positions – in accordance with the departmental Manual (available on website) N/A	Provisional Sum	-	-	= R	(86)
As direct sub-consultant, to be appointed by the Service Provider, for: Specialist to conduct Contract Participation Goal feasibility study N/A	Provisional Sum	-	-	= R	(87)
<b>Sub-total Sub-consultants / Specialists (85+86+87)</b>				= R	(88)
<b>Administration of Sub-consultants/ Specialists</b>				= R	(89)
<b>Total Sub-consultants / Specialists (88+89)</b>				= R	(88)
<b>Total Travelling Disbursements (Table A below)</b>				= R	(90)
<b>Typing, Printing, Duplicating and Forwarding Charges in terms of C2.1.6 (Provisional Sum)</b>				= R	(type in a provisional amount) (91)
<b>Contract Skills Development Goal Cost (Provisional Sum)</b> N/A				= R	(type in a provisional amount) (92)
<b><u>TOTAL FINANCIAL OFFER FOR VALUE BASED FEES FOR STRUCTURAL ENGINEERS (VAT EXCLUDED)</u></b> <b>Sub-total Discounted fees + Additional Services + Supplementary services + Sub-consultants/Specialists + Travelling Disbursements + Contract Skills Development Goal (77+82+88+87+6+87)</b>				= R	(93)

- NOTE:** 1. The total Financial Offer for Value Based Fees for Architects (VAT excluded), (88) above, as well as the percentage of normal fees tendered, (1) above, **must be carried over to C2.2.1 Summary Activity Schedule for Value Based Fees for all Professional Services comprising the Service Provider, the total of which must then be carried over to C1.1 Form of Offer and Acceptance.** Failure to carry this amount over to the Form of Offer and Acceptance **will render the Bid Non-responsive** as the Form of Offer **must be fully** completed.
2. Remuneration for value based appointments will be calculated as determined in C2.1.2 (i.e. the percentage of the normal fee tendered multiplied by the value fee scale *vis-à-vis* the actual cost of construction). The percentage of the normal fee shall apply to each stage for services provided in stages.
3. Supplementary Services: Where applicable, the Service Provider will be remunerated at an hourly rate as tendered (Based on detailed time sheets) for administration in terms of time spent in

liaising, coordinating, sourcing and verification of documents submitted including related meetings pertaining to and submitting reports as required to the following Targeted Procurement and Contract Participation Goals applicable to the Construction Project which shall include but not be limited to: SMME contract participation, EPWP and NYS labour reporting, the use of Local Material and Content, the cidb B.U.I.L.D. Programme and any other Contract Participation Goals applicable to the construction project. The hourly rate will be adjusted in accordance with Clause 3.16.1 of the cidb Standard Professional Service Contract and Clause 3.16.2 of the Contract Data.

4. Time spent on travelling, as well as any other travel related expenses such as travelling costs, subsistence allowance and accommodation is deemed to be included in the Traveling Disbursements per return trip to site per (90) above.
5. In the event of a variation in the Service Contract Period which results in additional travelling over and above the allowed number of trips in Table A, the additional Traveling will be paid in accordance with the "Rates for Reimbursable Expenses" as amended from time to time and referred to below, is obtainable on the Department's Website: <http://www.publicworks.gov.za/Consultants.asp> or from the Departmental Project Manager. These expenses are reimbursable at rates applicable on the time of the actual execution of the specific service contract. The first 2 hours of travelling is deductible as per Clause C2.1.4.4.2.
6. Bidder to provide detailed breakdown of Travelling Disbursements per return trip to site from place of business:

**Table A: Summary of Disbursements Tendered**

Item	Description	Rate	X	Factor	X	No. of trips	Total (if not applicable insert "NA")
1.	Traveling cost by car	Per Km R	X	Kms per Trip	X	(type in the number of anticipated trips)	R
2.	Subsistence	Per Trip R	X	-	X	(type in the number of anticipated trips)	R
3.	Travelling Time as per Clause C2.1.4.4.2	Per Hour R	X	Hours per Trip	X	(type in the number of anticipated trips)	
4.	Other: Specify below (Table B).	R -	X		X	-	R
5.	<b>Total disbursement carried over to Activity Schedule (90)</b>						<b>R</b>

**Table B: Other Disbursements (Attach separate sheet if necessary)**

Table B only to be completed should the service provider's office be located in a different province and/or the service provider has to travel by air and/or stay over due to the vast distance between the service provider's office and the construction site, in order to attend site visits and meetings (Attach separate sheet if necessary). Any claim by the service provider in absence of rates will not be entertained except if approved by the Employer's representative prior to incurring the cost.

Item	Description	Rate	X	Qty	Total
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					(if not applicable insert "NA")
1.	Travelling by Air	R	X		R
2.	Car Rental	R	X		R
3.	Accommodation	R	X		R
4.		R	X		R
5.		R	X		R
6.		R	X		R
7.		R	X		R
8.	<b>Total carried over to Table A, Item 4</b>				R

**7. Contract Skills Development Goal Cost**

The provisional amount allowed for the in the Activity Schedule shall be adjusted upon award and confirmation of the Training Method/s selected by the service provider when beneficiaries have been identified. The Contract Skills Development Goal (CSDG) will be as described in Clause C3.3.13, which is the number of hours of skills development opportunities that a Service Provider must provide in relation to work directly related to the Service Contract up to completion the Professional Service Contract. The CSDG is expressed in hours, and shall be not less than the professional fees in millions of Rand multiplied by 150 Hours.

**8. The Skills Development Participation Costs to be calculated as follows:**

**8.1 Skills Development**

**8.1.1 Number of Hours:**

Fees (1) excl. VAT = R5.6m

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours (hours to be rounded off)

**8.2 Calculating the Notional Cost per hour**

**8.2.1** Notional Cost per quarter as per Table 3 of Clause C3.3.13 (Scope of Services) and optional methods

**8.2.2** Number of Hours per quarter = 3 months x 20 days x 8 hours per day = 480 Hours

**8.2.3** Notional Cost per Hour =  $8.2.1 / 8.2.2$

**8.3 Calculating the Notional Cost Example:**

Fees (1) from Activity Schedule excl. VAT= R5.6 Million

Number of hours skills development required =  $R5.6 \times 150 = 840$  hours

Total number of hours per quarter = 40 hours per week  $\times$  4 weeks  $\times$  3 months = 480 hours

Notional cost per hour "Method 4" = R71 500 per quarter / 480 hours = R148.95 per hour

Total Notional cost = R148.95 (Rate per hour)  $\times$  840 (total number of hours) = R125 118.00