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SUBMISSION

TO	HEAC]
ATTENTION	THE CHAIRPERSON	
SUBJECT	FORMALISATION OF POLICY DIRECTIVE T DERTIMINE DEMOLITION COSTS RELATING T FORMAL STRUCTURES	0 0
I. PURPOS	Е	

The purpose of this document is to present a directive to inform calculations relating to demolition costs relating to formal structures.

2. BACKGROUND

- 2.1 The Product Development unit and Chief Quantity Surveyors had been instructed by the committee at the previous meeting to formalise a directive for the calculation of demolition costs in the province.
- 2.2 The current prescripts in terms of which we undertake these projects do not provide for demolition costs. We have investigated how this is applied and have received varied and incomplete responses. The Free State province has limited itself to the R2000 max provided for in terms of the informal settlement upgrade. Limpopo has used a market approach but has not been forthcoming with figures.
- 2.3 The current Community Residential Unit programme is the only guideline available to guide demolition costs per square meter for simple, medium and complex demolitions. An extract of the relevant section is attached for ease of reference.
- 2.4 The Head of Department required a more scientific basis for guiding demolition cost calculations.

3. PROBLEM STATEMENT

There is currently no scientific basis to confirm calculations for demolition costs in the Province. This affects projects where demolitions are required, either to provide for relocations for services to be constructed, replacement units and/or rectification work to be done.

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4. KEY CONSIDERATIONS

- a. The Community Residential Unit (CRU) Programme is currently the only instrument in the Code that provides a cost per square meter (R/m²) for demolition, but the methodology for application to non-CRU type structures is unclear.
- b. The current demolition rates in terms of the Community Residential Programme (CRU) are as follows:
 - 1. Simple demolition: R32.00/m2
 - ii. Medium complex demolition: R46.00/m2
 - iii. Complex demolition: R56.00/m2
- c. The table below demonstrates the calculation for demolition costs based on the CRU provision for simple demolition. Costs such as site establishment and maintenance of equipment are not included as these are typically absorbed in the general construction process

sprearly absorbed in the	Renera	u construction	process,
Parmanyan,	R/sqm 27	(sqm of unit to be demolished) 3.5000018 486 or 8500 per site	for informal settlement upgrade
includes: Loading end transport (co and iro) Social Services Pood			-
25			
Temporery	1 30	540	
Includes: Loading and transport (to and fro) Social Services Pood			
emolicion Reter (inclusive of rehebilitation):			
Sirgie starsy de mainien	760	4580	
rofexional fees is demolition (all inclusive)	32	576	
Total demolition and professional fees		\$256	

Relocation				(som of unit to be semail	(shed)
			Nrqm	40	
	Permanens		27	1080 pc 8600 per si	te for informal sattlement upgrade
	Includes:	Loading and transport (to and Iro)			
		Social Services			
		Food		í .	
	98		1		
	Tomporary		30	1200	
	Includes	Loading and transport (to and fro)			
		Social Services			
		Food			
uriupi ktore	Rates (Inclusive of reh	eb#itation):			<u> </u>
	Single storey demoints	Dm	260	10400	
v of explored	fees re demolition (all	Inclusive)	32	1280	
		Total damplition and professional fee	1	11680	

- d. Market related costs need to be measured against a scientific norm that can be quantified. Such an approach needs to satisfy the requirements of the Public Finance Management Act.
- e. The Chief Quantity Surveyor has submitted the alternative model which incorporates a market based approach and identifies key areas to be considered in determining an annual demolition provision guideline. These will be reviewed annually by the team responsible for quantity surveying.



f. It is noted that these rates are lower than those projected in terms of the CRU model, but confirmation is still needed on the costing of elements in proportion to demolition costs, etc so as to prevent any double subsidisation (e.g. establishment costs and maintenance that might be absorbed in equipment related to other construction activities, double dipping in terms of locational allowance, etc.

PLANT			_			
	hìre rate	h	Fuel		No hra	
bobcai		hr (dry)	160.00	R/Hr	1.00	450.0
Truck 10m* & daver		hr (dry)	120.00		2.50	750.0
establishment		hr (wet)		R/Hr	1.00	350.0
PLANT COST	51.43	KIST			10.00	514.2
PLANT CUSI					I	2,064.2
LABOUR	hire rate				No hrs	
N.9 dover	25.00	hr			1.00	25.0
bolocal driver	27.50				2.50	68.7
Truck 10m ²	· · · · · · · · · · · · · · · · · · ·	hr				UB.,/
Supervision (GF)	200.00	hr			4.50	900.0
ABOUR COST						993.7
Cost Rate per m² for 19m² unit maintenace allowance prefileads Sub B Totai sub A + spb B	3,058.04 169.89 86.63 305.60 392.43 3,450.47	}				
Selling rate per m' for 18m' unit	R 191.69					
Nerket Price for new machines used to		aliowance				
iost 9b new	R 520,000.00					
ost bobcat new	R 347,800.00					
<u>IOTES:</u> Maintenance allowance based on 2000 v life rates are market related rates lobcat Shrs to demoksh house and 1/2 h LB thr to dig up foundations etc		rking life				

 Costs relating to asbestos will be calculated at a maximum of R100/m² and this shall be an all inclusive amount for safe removal, transportation and disposel.

The above model calculation can be applied for units of various sizes to take into account the more time spent of demolishing and carting away of the bigger units

It takes cognisance of the various plant required as well as the time taken to do this exercise, in relation to the size of the unit

For example, for a 40m² unit the value would be R191.69 x 40m² = R7,667.60 Add R40m² x R100 for units with asbestos roofing = R4000 + R7667.60 × R11,867.60 Thus total = (R7667.60 x units without asbestos roofis) + (R11,867.60 x units with asbestos roofis)

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1) 2) 3) 4) 5) 6) g. Recently, the National Department of Human Settlements had adopted a revised post 1994 policy position, in consultation with the Project Management unit of the Department. The document indicates that a maximum of 10% be allocated to demolition costs. The document is silent on possible asbestos cases. This might be as a result of post 1994 units being assumed as asbestos free (i.e having roofs constructed of fibre cement). No formal response has been received from the National Department on this matter.

5. CONSULTATION

- a. The document had been circulated internally and via the HEAC no. 17 of 2011 for inputs, and work shopped with stakeholders on 9 December 2011. These costs were also presented by the Quantity Surveyors at the Strategic Session in March 2012. No further inputs had been received.
- b. It was also submitted to National and reminders were sent, but with no formal feedback.
- c. It is acknowledged that costs would vary from time to time, hence it is suggested that all submissions of this nature be verified by the quantity surveyors to confirm that the costs are reasonable, based on market trends, and to be reviewed annually.

6. **RECOMMENDATION**

a. That the policy directive as outlined above be approved, subject to each case being verified by the departmental quantity surveyors.

Submitted	7/6/2012 Date	Supported/Not Supported Operat Manager Planning and Development Comments:	18.06.7012 Date

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Supported/Not Supported 20107/20 Chief Operations Officer Date Comprents:	Supported/Not Supported [2/7//2] Chief Financial Officer Date Comments:
Recommended/Not-Recommended/Recommended as Amesded Amesded Head of Department Department of Human Settlements, KwaZulu-Natal	MEC For Human Settlements Date
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