

REHABILITATION OF CORRODED OF TOWERS AND SUBSTATION STRUCTURES**APPENDIX A: TECHNICAL SCHEDULES COLD GALVANIZING/GTP**

CLAUSE	COLD GALVANIZING COATING/PAINT	KPLC Requirement	Bidder Submission
1	Manufacturers Name	Provide	
2	Scope	Achieve >95 Microns	
3	Applicable standard(s)	ISO 3549/ASTM A780/AS1627.9/Or Equivalent	
4	Coating paint		
4.1.0	Product Name	Specify	
4.1.1	Manufacturer's Name	Indicate	
4.1.2	Dry Film zinc Content	>96%	
4.1.3	Colour	Grey	
4.1.4	Zinc purity	>99.99%	
4.1.5	Application Relative humidity	95%	
4.1.6	Substrate Temperature range	Min 3 deg above Dew point Max 60 deg	
4.1.7	% Metallic Zinc	>97%	
4.1.8	Binder type	Thermoplastic	
4.1.9	Solvent type-(No Heavy Metals)	Comply	
4.1.10	VOC	<500g/l	
4.1.11	Specific Weight/gravity	>2.65	
4.1.12	Volume of Solids	58% +/- 2	
4.1.13	Drying time	<30 min	

CLAUSE	COLD GALVANIZING COATING/PAINT	KPLC Requirement	Bidder Submission
4.1.14	Shelf life	Over 3 years	
4.1.15	Atmospheric temperature resistance	Min -40 Max 140 deg	
4.1.16	Surface preparation cleaning	UHP water jetting	
4.1.17	Grit blasting (Profile range)	> 50 Microns	
4.1.18	Dilution -Air supported	0-25%	
4.1.19	Coating per Application -Single coat	>60Microns	
4.1.20	Gun spray application pressure	>3Bar	
CLAUSE	ABRASIVE MATERIAL	KPLC Requirement	Bidder Submission
5.1	Product Name	Specify	
6.1	Manufacturer's Name	Indicate	
7.1	Hardness	6-7 moh scale	
8.1	average bulk density	1.7-1.85kg/m3	
	crystalline silica	<0.15	
	%chlorides	<1%	
	moisture content	<0.05%	
	profile range	Above 55	
	size range	0.1-1.2mm	
	PH (1% SOLUTION)	6	