



Appendix I: TECHNICAL SPECIFICATIONS

INVITATION TO BID / TENDER No: [2018/FAAFG/FAAFG/100550](#)

VENDORS MUST INDICATE COMPLIANCE OF THE GOODS OFFERED WITH THE FOLLOWING TECHNICAL SPECIFICATIONS.

Standard FAO Specifications for Urea and DAP

UREA (Free flowing)

No	Item technical specification	OFFERED TECHNICAL SPECIFICATIONS (Please write YES, for compliance with specification, or insert deviating specifications offered, if any)
1.	Moisture content by weight: maximum 1%	
2.	Total nitrogen content by weight (on dry basis): minimum 46%	
3.	Biuret content by weight: maximum 1.5%	
4.	Particle size: Not less than 90% of the material shall pass through 2.8 mm IS sieve and be retained on 1 mm IS sieve. Not more than 5% shall be below 1 mm IS sieve	
5.	Packing: Packed in 50 kg (dry) capacity woven polypropylene bags with polyethylene inner lining. 4% empty bags to be supplied at no extra cost	
6.	Each bag to guarantee minimum product weight (net) as specified on the bag	
7.	Marking: FAO logo, product name, active ingredient(s), net and gross weight, Project No., P.O. No. and final destination	
8.		
9.		
10.		

DIAMMONIUM PHOSPHATE (DAP)

No	Item technical specification	OFFERED TECHNICAL SPECIFICATIONS (Please write YES, for compliance with specification, or insert deviating specifications offered, if any)
1.	Moisture content by weight: maximum 1.5%	
2.	Total nitrogen content by weight (on dry basis): minimum 18%	
3.	Neutral ammonium citrate soluble phosphate (as P ₂ O ₅) content by weight: minimum 46%	
4.	Water soluble phosphate (as P ₂ O ₅) content by weight: minimum 41%	
5.	Particle size: Not less than 90% of the material shall pass through 4 mm IS sieve and be retained on 1 mm IS sieve. Not more than 5% shall be below 1 mm size	
6.	Packing: Packed in 50 kg (dry) capacity woven polypropylene bags with polyethylene inner lining. 4% empty bags to be supplied at no extra cos.	
7.	Each bag to guarantee minimum product weight (net) as specified on the bag	
8.	Marking: FAO logo, product name, active ingredient(s), net and gross weight, Project No., P.O. No. and final destination	
9.		
10.		

Sampling methods:

- 1 sample from each 10 MT and then to mix 5 samples and make one sample for lab analysis.
- Total sample from DAP: 10 samples (@one sample per 50 MT DAP)
- Total samples from Urea: 10 sample (@one sample per 50 MT Urea)