

Revised BILL OF MATERIAL & TECHNICAL SPECIFICATIONS**1. Bill of Material****Sub-set - I**

S. No.	Description of Work	Item Description	Qty.
1.	Supply, Installation and Commissioning of new link including submission and obtaining of license for SACFA/ WPC	Radio path survey for new links, including submission of survey report.	1
		Radio Equipment for a link (Lower bandwidth link, upto 40 Mbps) including a) Radio Modem -02 nos b) 32 dbi solid parabolic antenna - 02 nos. c) Antenna fixer - 02 nos. d) cable accessories - As per survey report e) Earthing Cable – APA f) Conduit Cable with silica coating: APA e) Weather proofing Kit -02 nos. h) Any other accessories required for commissioning of radio links.	1
		Radio Equipment for a link (Higher bandwidth link, upto 120 Mbps), including a) Radio Modem -02 nos b) PVC coated STP Cat-5 cable – As per survey report c) 34 dbi solid Dual parabolic antenna - 02 nos d) Antenna fixer - 02 nos. e) Weather proofing Kit -04 nos. f) cable and accessories- As per survey report g) Earthing Cable – APA h) Conduit Cable with silica coating: APA i) Any other accessories required for commissioning of radio links.	1
2.	AMC / Comprehensive Maintenance of new links including maintenance of mast, earthing, aviation light with power cable, guy rope with accessories, concrete foundation,	AMC / Comprehensive Maintenance cost of new links (Lower radio link, Upto 40 Mbps) For the first year.	1
		AMC / Comprehensive Maintenance cost of new links (Lower Radio Link, Upto 40 Mbps) From second year onwards.	1
		AMC / Comprehensive Maintenance cost of new links (Higher Radio Link, upto 120 Mbps) For first year.	1
		AMC / Comprehensive Maintenance cost of new links	

	etc.	(Higher Radio Link, upto 120 Mbps) From second year onwards.	1
3.	<p>“Construction of new self-support mast of below heights:</p> <ul style="list-style-type: none"> i) 3 Mtr ii) 6 Mtr. iii) 9 Mtr. iv) 15 Mtr. v) 21 Mtr. vi) 27 Mtr. vii) 33 Mtr. viii) 39 Mtr.” 	<p>Constructions of self-support Mast, (including concrete base, aviation light, mast earthing (as per Annexure). The entire pipe should be Class B Galvanized pipe. (As per specifications enclosed)</p>	1
4.	<p>Construction of new Guy mast of below heights</p> <ul style="list-style-type: none"> i) 3 Mtr ii) 6 Mtr. iii) 9 Mtr. iv) 15 Mtr. v) 21 Mtr. vi) 27 Mtr. vii) 33 Mtr. viii) 39 Mtr.” 	<p>Construction of guy Mast, including concrete base, aviation light, mast earthing, (As per specification enclosed)</p>	1
5.	Chemical Earthing	<p>Chemical electrode (consisting of K type copper pipe/strip of 1.5 inch dia, having capacity of approx. 45 kg chemical)</p> <p>Base chamber (4x10 ft,by machine boring)</p> <p>Copper strip of 1.5 inch dia (if required ,for extra use other than those used in chemical electrode</p> <p>Service charges</p> <p>PVC Pipe (dia 20 mm)</p>	1

Note: Bidder will be fully responsible to provide all the hardware (if not specified above) for any of their application / solution requirements.

Sub-set – II

S. No.	Description of Work	Details of Existing Links	No. of Links
<u>1.</u>	Comprehensive Maintenance of existing operational links including all accessories at ERNET/ customer site in the region of Delhi / NCR.	Pragati Power Corporation Ltd., Delhi	9
		Delhi Transco Ltd., Delhi	21
		NIELIT, NBCC Building, New Delhi	1
		DIPSAR, New Delhi	1
		NUEPA, Pusa Road	1
		ERNET, Lodhi Road, New Delhi	1

Note: Bidder will be advised to perform the site survey of existing links before submitting their bids. ERNET will arrange to provide necessary permission for site survey at customer location.