

Bharat Heavy Electricals Limited

(A Govt. of India undertaking) Boiler Auxiliaries Plant, Ranipet – 632406, Tamilnadu. Purchase Department

BAP:IC:10GNETWORK:Amend-3 Dt:13.09.2011

Subject	Tender Change Notice (TCN) - 03
Job	Design, Supply, Installation, Commissioning and Maintenance of
	Network Actives and Passives and Data Centre equipment for
	Campus Wide 10 Gigabit Network at BHEL, Ranipet on 5 Years
	Lease Rental Basis
Ref:	1. Tender Notice: BAP:IC:10GNETWORK dt. 13.07.2011
	2. BHEL's NIT_10206 dt. 13.07.2011

With reference to above, following points, relevant to tender, may please be noted and complied with while submitting the offer.

S.No	Tender	Earlier Tender description	Revised description
	Reference		
1	Annexure- VI	Price Bid Format	Price Bid Format is changed
2	Annexure-II Page No.1, Clause 2.4	Loading factor for non-acceptance of BHEL Payment Terms: Offer with deviations to BHEL Payment Terms will be loaded at the Base Rate of SBI + 2% for the period of relaxation sought by bidder for deviated amount for the purpose of evaluating the lowest bidder. Offers with advance payment or payment less than 30 days of submission of verified invoices will be rejected. In no case BHEL shall accept liability towards any	Loading factor for non-acceptance of BHEL Payment Terms: Offer with deviations to BHEL Payment Terms will be loaded at the BPLR Rate of SBI + 2% for the period of relaxation sought by bidder for deviated amount for the purpose of evaluating the lowest bidder. Offers with advance payment or any other payment method like payment through an letter of credit, hundi payment or direct payment less than 30 days of submission of verified invoices will be rejected. In no case BHEL shall accept liability

		interest payments.	towards any interest payments.
3	Annexure-II	Lease charges are inclusive of	Lease charges are all inclusive of
	Page No.1, Clause 2.6	regular hardware maintenance support, all taxes and duties	regular hardware, maintenance, support, interest, etc. Taxes and duties by central government and state government shall be quoted extra. Quarterly lease charges indicated in the price bid format (Annexure-VI) for all the items shall remain firm and fixed without any variation during the contract/lease period of 5 years except for statuary variation in taxes and duties levied by government payable by the contractor for which rate, basis of charge and break-up value of the tax/duty are indicated in price schedule. All necessary documentary evidence shall be submitted by the contractor in support of their claim. For admitting such claims where supporting documentary evidences are not furnished, such variation would not be admissible.
4	Annexure- IV Page No.19, Clause 8.1	The Lease Rental is inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract:	The Lease Rental is inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract:
		Freight, handling and packing charges, transit insurance, installation.	Freight, handling and packing charges, transit insurance, installation.
		On-site comprehensive	On-site comprehensive

		maintenance	maintenance
		On-site comprehensive Insurance covering total scope of supply and man power. Spares & Software/Firmware Updates All taxes & Duties	On-site comprehensive Insurance covering total scope of supply and man power. Spares & Software/Firmware Updates
5	Annexure- IV Page No.19, Clause 8.2	Comprehensive maintenance shall include the following: Replacement of faulty equipment Installation charges Site inspection charges Cost of Maintenance Engineers Lease tax/right to use tax / any other statutory levies including service tax.	Comprehensive maintenance shall include the following: Replacement of faulty equipment Installation charges Site inspection charges Cost of Maintenance Engineers
6		Taxes/duties extra	Wherever taxes/duties are indicated as inclusive in the tender document, it shall be read as taxes/duties are extra.
7		Tender submission date: 14-09-2011	Tender submission date is extended to: 21-09-2011

8	Deviations	No deviations are allowed. Offers
		with any deviations in the tender
		specification will be rejected.
		However, the decision on this
		fully rests with BHEL.
		Acceptance/rejection of offers is
		at the sole discretion of BHEL.
		BHEL may proceed further with
		finalization of
		acceptance/rejection of the tender
		received without assigning any
		reasons thereof.

The revised pages (Annexure–II Page No.1 Annexure-IV Page No.19, Annexure-VI) are attached here.

All other terms and conditions of the tender shall remain unchanged.

Tenderer shall sign and stamp this page and submit it along with the Technical offer as a token of acceptance of the above clause.

For clarifications, if any, contact

Deputy General Manager / Purchase - Utility

Phone: + 91 - 4172 - 284338 Phone: + 91 - 4172 - 241055

E-mail:<u>nt@bhelrpt.co.in</u> or

rraja@bhelrpt.co.in

BAP:IC:10GNETWORK R03 Date: 13.09.2011 Annexure-II

SCOPE, TERMS & CONDITIONS

1 General

1.1 The term vendor shall apply to successful tenderer. The vendor is the lessor and BHEL, Ranipet (A Govt. of India Undertaking) is the lessee.

1.2 The vendor shall supply, install, commission and maintain on a turn-key basis, the equipment, detailed in the lease orders hereinafter referred as "Lease Orders" placed by BHEL on the vendor from time to time which will fulfill the functional requirements as defined in scope of supply.

2 Lease / Prices

- 2.1 The lease period shall be 5 years after the successful commissioning and acceptance of the complete system.
- 2.2 Lease payment will be paid on quarterly basis, at the end of each quarter. Deduction of downtime if any shall be made from quarterly lease rental value. Refer Clause 9 of this annexure.
- 2.3 The payment of lease charges will be made on quarterly basis after completion of each quarter and submission of invoices(s) in triplicate. Payment will be released within 45 days of submission of verified invoices.
- 2.4 Loading factor for non-acceptance of BHEL Payment Terms: Offer with deviations to BHEL Payment Terms will be loaded at the BPLR Rate of SBI + 2% for the period of relaxation sought by bidder for deviated amount for the purpose of evaluating the lowest bidder. Offers with advance payment or any other payment method like payment through an letter of credit, hundi payment or direct payment less than 30 days of submission of verified invoices will be rejected. In no case BHEL shall accept liability towards any interest payments.
- 2.5 Prices shall remain firm without any variation during contract period. No interest whatsoever shall be payable by BHEL on any amount due to the vendor.
- 2.6 Lease charges are all inclusive of regular hardware, maintenance, support, interest, etc. Taxes and duties by central government and state government shall be quoted extra. Quarterly lease charges indicated in the price bid format (Annexure-VI) for all the items shall remain firm and fixed without any variation during the contract/lease period of 5 years except for statuary variation in taxes and duties levied by government payable by the contractor for which rate, basis of charge and break up value of the tax/duty are indicated in price schedule. All necessary documentary evidence shall be submitted by the contractor in support of their claim. For admitting such claims where supporting documentary evidences are not furnished, such variation would not be admissible.
- 2.7 The vendor shall be responsible for payment of excise duty, custom duty, all other state/central/local govt. taxes, freight and insurance up to equipment-installation-sites in BHEL Ranipet and during the lease period.
- 2.8 The Bank guarantee shall be paid along with the acceptance of order. The Bank guarantee shall be equivalent to 10% of the total quarterly lease rental for all the equipment valid for the complete lease period. Refer Form –J of Annexure-IV
- 2.9 **Loading factor for non-acceptance of Performance Bank Guarantee** valid for the complete lease period or acceptance of Performance Bank Guarantee with lesser percentage or lesser period than specified: Will attract disqualification of the offer.
- 2.10 The Bank Guarantee (PBG) shall be released only on expiry of the claim period, provided there has been no claim by BHEL on the Supplier.

Name:	C	Company	[,] Sea	ιl
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Signature: with Date: Page 1 of 1

During installation at BHEL, the associated BHEL engineers shall be guided on the configuration being made and usage.

Advanced level training shall be provided by OEM / authorized training partner at OEM Place /OEM certified training centre. BHEL will nominate engineers. Training shall be in two batches. Each batch shall get training for minimum 10 (ten) working days. Each batch shall get training for minimum 10 (ten) working days. Training shall be focused on fundamentals of networking/security in general and supplied equipment in particular. It should be based on standard certification programmes of OEM's equipment.

7.2 Training on Network Management Solution:

'Company' will provide comprehensive training on NMS at BHEL, Ranipet. The training shall cover the installation & configuration, Analysis and Trouble shooting, Traffic analysis, Reports generation and its analysis. Training shall cover all features of the NMS software.

8 LEASE RENTALS & TERMINAL CHARGES:

8.1 The Lease Rental is inclusive of the following during the lease period and shall remain FIRM without any variation till completion of the lease contract:

Freight, handling and packing charges, transit insurance, installation.

On-site comprehensive maintenance

On-site comprehensive Insurance covering total scope of supply and man power.

Spares & Software/Firmware Updates

8.2 Comprehensive maintenance shall include the following:

Replacement of faulty equipment
Installation charges
Site inspection charges

Cost of Maintenance Engineers

- 8.3 On-site Comprehensive insurance covering total scope of supply and man power during the currency of the contract. The beneficiary of the Insurance should be BHEL
- 8.4 'QUARTERLY LEASE RENTAL' payment shall commence after successful completion and commissioning of the entire system. Quarterly Lease Rental shall be payable to 'Company' after the successful completion of the quarter and submission of invoices in triplicate. Payment will be released within 30 days of submission of invoices.

The Lease Rentals payable under this Agreement during the Lease period shall be paid by
'BHEL' to financing Agency. The Lease Rental shall be paid through an Account Payee
chequefavouring '' (Financing Agency). The 'Company' shall submit a discharge
certificate and indemnity bond to 'BHEL' for the lease rentals paid to the
''(Financing Agency) by 'BHEL'.

Name:	Company Sea
ivanie.	Company Se

Signature: with Date:

										Α	Annexure-\
				Price Bid							
Price bid has been divided into 5 parts i.e. part A to	E Port A cons	icto of itom	which are to be	nroqurod undor l	ance Bart B con	sicto of mainto	nance of evicti	na naccivac C	anky maintanana	o oborgoo	e toyon o
to be given for part B. Part C is for one time charge											
value of network after 5 year lease is over.	S OI CADIE IAYII	ig a testing	and electrical at	ia civii work for a	ita centre revamp	ning. Fait D is	IOI DUYDACK VA	ue or ora item	s offered by bid	uei. Fail E	IS IOI AIV
The lease charges are to be quoted for financial lea	se for 60 mont	he navahla	at the end of au	artor							
The comparative statement will be on total lease (c					, and anatima al	erwaa (Cabla I	avina 9 Taatina		l and sixil wark	far data aa	
revamping) of Part C. AMC charges of part-E will r					and one time cr	iarges (Cable i	ayıng & restinç	g and electrica	i and civil work	for data ce	ntre
Service tax (payable to BHEL as cenvat) will be sub				in purpose							
The buyback value of old items in col. D will be sub											
All values to be quoted in Rupees.	indoted in the t	oomparative.	Statement								
No. Item	Unit	Qty.	Unit Price			Five ve	ars Lease Ren	tal charges			
		4.9	(Outright)			,					
			(Towards	VAT/CST on [a]	Towards	Service tax	Total Interes	Service tax on	Any other	Total
				Equipment cost		Maintenance		charges	[e]	tax	(a+b+c-
				(Excluding VAT)		charges	maintenance	ona. goo	[0]	au.	+e+f+g
				(Exoluting VAI)		(Excluding	on [c]				
						Service Tax)	on [c]				
						Service Tax)					
				Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarte
A Items on lease				(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
A.1 Active components											
1 Core Switch	No.	2									
2 Distribution Switch Type I	No.	14									
3 Distribution Switch Type II	No.	9									
4 Server Farm Switch	No.	4									
5 Layer-3 Access Switch Type I	No.	2									
6 Layer-3 Access Switch Type II	No.	10									
7 Access Switch Type I	No.	44									
8 Access Switch Type II	No.	37									
9 10G LR Fiber Transceivers	No.	30									
10 10G LRM Fiber Transceivers	No.	10									
11 1G SX Fiber Transceivers	No.	48									
12 1G LX/LH Fiber Transceivers	No.	80									
13 Firewall Appliance	No.	1									
14 Network Management System	No.	1									
15 RADIUS/TACACS Server	No.	2									
16 Desktop Video Conferencing	Set	1									
17 Email Gateway Security	No.	1									
18 Web Gateway Security	No.	1									
19 UPS 10 KVA	No.	2								1	
20 UPS 5 KVA 21 UPS 1 KVA	No.	16 50	-								-
21 UPS 1 KVA 22 42U Rack	No.	50									_
23 24U Rack	No.	12		 			1		1	<u> </u>	1
24 12U Rack	No.	50	+	 		1	1		1	 	+
Z4 IZU NdUN	INO.	50	1	I		l .	ı	1	ı	l	1
1.2 Passive Cabling											
A.2 Passive Cabling	No	40	1	ı		1	1		1	1	_
25 24 Port Rack Mount Fiber LIU (Fully Loaded-LC) 26 12 Port Rack Mount Fiber LIU (Fully Loaded-LC)	No.	48 72	 	1			1	1	+	 	
		72 845	 	1			1	1	+	 	+
	No.	441	+	 		-	1	1	1	-	+
28 Multi Mode LC Pigtail	No.	441	1	1		1	1				

29	Suitable Fiber Patch Cord for Switch Connectivity (3 Meter)	No.	120									
30	Suitable Fiber Patch Cord for Switch Connectivity (10 Meter)	No.	25									
31	Suitable Fiber Patch Cord for Switch Connectivity (15	No.	8									
32	Mode Conditioning Patch Cord (10 Meter)	No.	20	+	+		-				 	
33	Cat 6 Faceplate with I/O and Surface Mount Box	No.	1500	+	+							
	24 Port Unloaded UTP Jack Panel 1U Height	No.	19	†	† ·							
35	24 Port Unloaded Angled UTP Jack Panel 1U Height	No.	84	1	1							
	Cat 6 RJ45 Information Outlet	No.	1956	1								
37	Cat 6 UTP Patch Cord - 3 feet	No.	1500									
38	Cat 6 UTP Patch Cord - 7 feet	No.	1612									
39	Cat 6A UTP Patch Cord - 33 Feet	No.	50							,		
40	Single mode Fiber armored 12 Core	Mtrs	30975							1		
	Single mode Fiber armored 24 Core	Mtrs	1890									
	Multimode Fiber armored 12 Core	Mtrs	2134									
43	Category 6 UTP Cable (in meters)	Mtrs	63135			<u> </u>						
44	1U Horizontal Cable Manager	No.	50									
						<u> </u>						
	Data centre revamping											
	Fire Detection System	Set	2									
	VESDA System	Set	2									
	Rodent repellent system	Set	2								<u> </u>	
	Comfort AC	Set	3								<u> </u>	
	Precision AC	Set	2									
	UPS	Set	2								<u> </u>	
51	GenSet	Set	2								ļ	
SI. No.	Item	Unit	Qty.	Unit Price (Outright)	Towards Equipment cost (Excluding VAT)	VAT on [a]	Towards Maintenance charges (Excluding Service Tax)	Service tax on maintenance on [c]	Total Interest charges		any other	Total (a+b+c+d +e+f+g)
В	Comprehensive Maintenance of Existing Page	ssives										
	Maintenance charges (only)									<u> </u>		
- 02		Total	1	T	Nil		1	l				1
		Total	1		Nil							
	(As per details in 3.19 of Annexure-III)	Total	1		Nil							
С		Total	1		Nil							
C SI. No.	(As per details in 3.19 of Annexure-III)	Unit	Qty.	Unit Price (Outright)	Towards Equipment cost (Excluding VAT)	VAT on [a]	Towards Maintenance charges (Excluding Service Tax)	Service tax on maintenance on [c]	Total Interest charges	Service tax on	Any other tax	Total (a+b+c+d +e+f+g)
SI. No.	(As per details in 3.19 of Annexure-III) Items on One Time Charges Item Cable Laying & Testing				Towards Equipment cost		Maintenance charges (Excluding	on maintenance				(a+b+c+d
SI. No. C.1 53	(As per details in 3.19 of Annexure-III) Items on One Time Charges Item Cable Laying & Testing Splicing/Testing/Labelling of MM fiber cable (per fiber core basis)				Towards Equipment cost		Maintenance charges (Excluding	on maintenance				(a+b+c+d
SI. No. C.1 53	(As per details in 3.19 of Annexure-III) Items on One Time Charges Item Cable Laying & Testing Splicing/Testing/Labelling of MM fiber cable (per fiber	Unit	Qty.		Towards Equipment cost		Maintenance charges (Excluding	on maintenance				(a+b+c+d

4!! CL Dina	N Atro	2000								
1" GI Pipe	Mtrs	2000							-	+
										-
										1
1" Casing and Capping										
2" Casing and Capping										
	Mtrs	390								
HDPE Pipe 2" with preloaded Nylon rope	Mtrs	20000								
Cable Route Marker (at every 20 meters)	No.	1000								
Cement Hume Pipe 6" Dia	Mtrs	50								
Fixing of PVC Pipe / Casing & Capping on the wall and	Mtrs	5900								
	Mtre	50							+	
and laying of UTP/ Fiber Unarmored cable inside it										
				+	1	1	1	1	+	1
Installation of 24U Rack										<u> </u>
Installation of 42U Rack									1	<u> </u>
Installation of 12/24 port Fiber LIU]				1
Installation of 24 ports Patch panel (Straight / Angled)	No.	103								
Fiber Cable laying charges	Mtrs	34999								
trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench, and finishing with cement		100								
Cutting of soft surface like soft soil etc., digging of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench	Mtrs	20000								
Directional Horizontal Drilling across National Highway Road, Laying of fiber optic cable inisde GI pipe / HDPE pipe	Mtrs	40								
Flectrical & Civil work for data centre			<u> </u>		•		•		•	
	Sot	1								1
										+
Civil and interior work	Set	'		_					+	+
Buy back value of old items										
	Unit	Qty.	Amount in							
Buy back value of old items	Lumpsum	Lumpsum	Rupees							
	·	·		7						
		•	•	_						
AMC Charges (one year) after 5 year lease no	eriod									
Changes (one year) after o year lease pe		AMC	ABAC		Toyer	1				
				1	raxes					
	value	(% age of Total Order Value)	(Value in Rupees)							
	1" MS Pipe 1.5" MS Pipe 1.5" MS Pipe 1.5" PVC Pipe 1.5" PVC Pipe 1.5" PVC Pipe 1.5" PVC Pipe 1" Casing and Capping 2" Casing and Capping Power cable for UPS HDPE Pipe 2" with preloaded Nylon rope Cable Route Marker (at every 20 meters) Cement Hume Pipe 6" Dia Velcro - Pack of 20 meters Fixing of PVC Pipe / Casing & Capping on the wall and laying of UTP/Unarmored Fiber cable inside it Fixing of HDPE pipe for outdoor cabling Fixing of MS / GI Pipe on steel columns /beams/ wall and laying of UTP/Fiber Unarmored cable inside it Installation of 12U Rack Installation of 24U Rack Installation of 24U Rack Installation of 42U Rack Installation of 24 Ports Fiber LIU Installation of 12/ 24 port Fiber LIU Installation of 12/ 24 port Fiber LIU Installation of 30 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench, and finishing with cement Cutting of soft surface like rodt, floor etc, digging of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench Directional Horizontal Drilling across National Highway Road, Laying of fiber optic cable inisde GI pipe / HDPE pipe Electrical & Civil work for data centre Electrical distribution Civil and interior work Buy back value of old items	1" MS Pipe Mtrs 1.5" MS Pipe Mtrs 1.5" NS Pipe Mtrs 1.5" PVC Pipe Mtrs 1.5" PVC Pipe Mtrs 1.5" PVC Pipe Mtrs 1.5" PVC Pipe Mtrs 1" Casing and Capping Mtrs 2" Casing and Capping Mtrs Power cable for UPS Mtrs HDPE Pipe 2" with preloaded Nylon rope Mtrs Cable Route Marker (at every 20 meters) No. Cement Hume Pipe 6" Dia Mtrs Velcro - Pack of 20 meters No. Fixing of PVC Pipe / Casing & Capping on the wall and laying of UTP/Unarmored Fiber cable inside it Fixing of HDPE pipe for outdoor cabling Mtrs Fixing of MS / GI Pipe on steel columns /beams/ wall and laying of UTP/Enber Unarmored cable inside it Installation of 12U Rack No. Installation of 12U Rack No. Installation of 12U Rack No. Installation of 24 port Fiber LIU No. Installation of 12/4 port Fiber LIU No. Installation of 12/4 port Fiber LIU No. Installation of 12/4 port Fiber LIU No. Installation of 30 year patch panel (Straight / Angled) No. Fiber Cable laying charges Mtrs UTP Cable laying of hick refilling of trench, and finishing with cement Cutting of soft surface like soft soil etc., digging of trench, and finishing with cement Cutting of soft surface like soft soil etc., digging of trench, and finishing with cement Cutting of soft surface like soft soil etc., digging of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of brick, refilling of trench 300 X 800 mm, laying of fiber optic cable inside GI pipe / humed pipe, laying of fiber optic cable inside GI pipe / humed pipe, laying of fiber optic cable inside GI pipe / humed pipe, laying of fiber optic cable inside GI pipe / humed pipe, laying of fiber optic cable inside GI pipe / humed pipe, laying of fiber optic cable inside G	1" MS Pipe	11 MS Pipe	11 MS Pipe	1" MS Pipe	1* MS Pipe Mrs 2000 1* PVC Pipe Mrs 2000 1* PVC Pipe Mrs 2000 1* Casing and Capping Mrs 1200 2* Casing and Capping Mrs 2000 1* Casing and Capping Mrs 390 1* Casing and Capping Mrs 390 1* Casing and Capping Mrs 20000 2* Casing and Capping Mrs 390 1* Casing and Capping Mrs 20000 2* Casing and Capping Mrs 20000 2* Casing and Capping Mrs 390 1* Casing and Capping Mrs 20000 2* Casing and Capping Mrs 390 1* Casing and Casing Casing & Capping on the wall and ward of UTPUtrammored Fiber cable inside it insistent of 10 Piper Casing & Capping on the wall and ward of UTPUtrammored Fiber cable inside it insistent of 12 Piper Casing And Capping Mrs 500 Wrs 600 Wrs 600 Installation of 24U Rack No. 50 Installation of 24U Rack No. 50 Installation of 24U Rack No. 50 Installation of 12 24 parts Fiber LIU No. 1120 Installation of 12 24 parts Pather panel (Straight / Angled) Nrs 63135 Wrs 631	11 MS Pipe	1" MS Pipe	1* MS Pipe

NOTE:

Taxes and duties by central govt and state govt shall be quoted extra .Any statuary variation in taxes and duties levied by govt payable by the contractor for which rate, basis of charge and break up value of the tax/duty are indiacted in price schedule will be considered.. All necessary documentary evidence shall be submitted by the contractor in support of their claim.