

ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್ भारत हेवी इलेक्ट्रिकल्स लिमिटेड

FAX : 080-26989219 PHONE : 080-26998377 EMAIL : pragadeeshtg@bhel.in

Bharat Heavy Electricals Limited

(A Government of India Undertaking)
ELECTRONICS DIVISION

P. B. No 2606, Mysuru Road, Bengaluru - 560 026 An ISO 9001, ISO 14001, OHSAS 18001 & ISO/IEC 27001:2005 Company

The Quotations are invited under two part bid system for Supply and I&C of CCTV System for 10 MW WBSEDCL Santaldih Project through e-procurement route.

RFQ NO and date	TGPBOS0013 dated 14.07.2018 (e-tender)
RFQ due date & time	24.07.2018 up to 13.00 hrs (IST)
Data Time & Venue of David I Did	24.07.2010 - A: 12.20 h (ICT) [t:d-:)
Date, Time & Venue of Part-I Bid	24.07.2018 after 13.30 hrs (IST) E-tender) –
Opening	Website - https://bhel.abcprocure.com
Date, Time & Venue of Price Bid	Will be intimated later for technically accepted
opening	vendors
Address for Communication &	Mr. T.G.Pragadeesh (09742576787)/
Contact Person in BHEL	Mr. Chendhil Kumar R (09449869644),
	SC&PV MM Department,
	BHEL Electronics Division,
	PB NO 2606, Mysuru road,
	Bengaluru-560 026. INDIA
	Email: <u>pragadeeshtg@bhel.in</u>
	<u>chendhil@bhel.in</u>
	Telephone number: +91 80 26998377,
	+91 80 26998391

Regd. OFFICE: BHEL House, Siri Fort, New Delhi-110 049 Website: www.bhel.com



BHARAT HEAVY ELECTRICALS LIMITED **Electronics Division** PB No. 2606, Mysore Road Bangalore - 560026

INDIA

RFQ NUMBER: TGPBOS0013

Fax:

Tender Box : Reception Area Opening Venue: NEW ENGG. BLDG

Due Date/Day: 24.07.2018 TUE

: 13:00 HRS

MMI:PU:RF:003

RFO DATE: 14.07.2018

(for all correspondence)

Purchase Executive: TG Pragadeesh

Phone: 080 26998377

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria:

(address for communication):

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	PS0679077189 PTZ outdoor, industrial 36X camera * HSN/SAC: 8544 Test Certificate as per clause 7.2.1 of BHEL spec PS-439-1211 PTZ outdoor, industrial 36X camera with night vision, 0.1 lux sensitivity with all accessories	10	NO	10	25.09.2018
2	PS0679077197 Dome camera with accessories * HSN/SAC : 8544 Test Certificate as per clause 7.2.2 of BHEL spec PS-439-1211	4	NO	4	25.09.2018
3	PS0679077200 GI 50mm, Mounting poles * HSN/SAC : 8544 Test Certificate as per clause 7.3 of BHEL spec PS-439-1211 GI 50mm, Mounting poles 5m above ground with junction box	14	NO	14	25.09.2018
4	PS0679077219 Power supply unit * HSN/SAC : 8544	10	NO	10	25.09.2018

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS For and On behalf of BHEL. NOTES: 1. This RFQ is Governed by: a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No :BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) TG Pragadeesh b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no :BHEL:EDN:GCC-SHOP) available Semiconductors & Pho at www.bheledn.com (RFQ-PO Terms & Conditions) 1 OF 7 c)Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: TGPBOS0013

RFQ DATE: 14.07.2018

Due Date/Day: 24.07.2018 TUE
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue:
NEW ENGG. BLDG

(for all correspondence)

Purchase Executive : TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

(address for communication):

1.0 Financial Criteria:

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	Test Certificate as per clause 7.4 of BHEL spec PS-439-1211				
5	PS0679077227 Chasis based, layer-3, redundant power s * HSN/SAC: 8544 Test Certificate as per clause 7.5 of BHEL spec PS-439-1211 Chasis based, layer-3, redundant power supply, Ethernet network solution with single IP management	1	NO	1	25.09.2018
6	PS0679077235 24-port LIU with splice tray for switch * HSN/SAC : 8544 Test Certificate as per clause 7.6 of BHEL spec PS-439-1211 24-port LIU with splice tray for switch side termination	1	NO	1	25.09.2018
7	PS0679077243 Power distribution board * HSN/SAC : 8544 Test Certificate as per clause 7.7 of BHEL spec PS-439-1211	1	NO	1	25.09.2018

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS NOTES: 1.This RFQ is Governed by: a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No:BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no:BHEL:EDN:GCC-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) c)Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED **Electronics Division** PB No. 2606, Mysore Road Bangalore - 560026

INDIA

RFQ NUMBER: TGPBOS0013

> RFO DATE: 14.07.2018

Due Date/Day: 24.07.2018 TUE : 13:00 HRS Tender Box : Reception Area Opening Venue:

NEW ENGG. BLDG

(address for communication):

(for all correspondence)

Purchase Executive: TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria:

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
8	PS0679077251 Server for CCTV system with 45-days stor * HSN/SAC: 8544	1	NO	1	25.09.2018
	Test Certificate as per clause 7.8 of BHEL spec PS-439-1211 Server for CCTV system with 45-days storage capacity along with VMS software, recording software and license for all cameras and				
9	PS0679077260 40-inch LED industrial monitor * HSN/SAC : 8544 Test Certificate as per clause 7.9 of BHEL spec PS-439-1211	1	NO	1	25.09.2018
10	PS0679077278 PC Commercial, Intel Core i5-6500 * HSN/SAC: 8544 Test Certificate as per clause 7.10 of BHEL spec PS-439-1211 PC Commercial, Intel Core i5-6500 (6M Cache, 3.2)	1	NO	1	25.09.2018

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS For and On behalf of BHEL. NOTES: 1. This RFQ is Governed by: a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No :BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) TG Pragadeesh b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no :BHEL:EDN:GCC-SHOP) available Semiconductors & Pho at www.bheledn.com (RFQ-PO Terms & Conditions) 3 OF 7 c)Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: TGPBOS0013

RFQ DATE: 14.07.2018

Due Date/Day: 24.07.2018 TUE
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue:
NEW ENGG. BLDG

(address for communication):

(for all correspondence)

Purchase Executive : TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria:

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	GHz),#4GB DDR3L				
	1600MHz,#1TB 7200rpm SATA HDD 1 no				
	PS0679077286 Keyboard and joy-stick	1	NO	1	25.09.2018
11	* HSN/SAC : 8544		NO		
	Test Certificate				
	as per clause 7.11 of BHEL spec PS-439-1211				
	PS0679077294 Field network switches	5		5	25.09.2018
12	* HSN/SAC : 8544		NO		
	Test Certificate				
	as per clause 7.12 of BHEL spec PS-439-1211				
	Field network switches with minimum layer-2 functionality				
	and 2 nos of				
	fibre optic / SFP and 4 nos of RJ-45 ports with surge				
	protective devices				
	and of IP-65 protection				
	PS0679077308 42U panel for housing the server	1	NO	1	25.09.2018
13	* HSN/SAC : 8544		NO		
	Test Certificate				
	as per clause 7.13 of BHEL spec PS-439-1211				

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS NOTES: 1.This RFQ is Governed by: a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No:BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no:BHEL:EDN:GCC-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) c)Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: TGPBOS0013

RFQ DATE: 14.07.2018

Due Date/Day: 24.07.2018 TUE
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue:
NEW ENGG. BLDG

(address for communication):

(for all correspondence)

Purchase Executive : TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria:

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	42U panel for housing the server, network switch in Control room				
14	PS0679077316 6-core, single mode armoured OFC cable * HSN/SAC : 8544 Test Certificate as per clause 7.14 of BHEL spec PS-439-1211	7,000	М	7,000	25.09.2018
15	PS0679077324 LIU with essential accessories * HSN/SAC : 8544 Test Certificate as per clause 7.15 of BHEL spec PS-439-1211	10	NO	10	25.09.2018
16	PS0679077332 Twisted 4-pair STP cat-6 cable & connec * HSN/SAC : 8544 Test Certificate as per clause 7.16 of BHEL spec PS-439-1211 Twisted 4-pair STP cat-6 cable and connectors for connectivity	500	М	500	25.09.2018
17	PS0679077340 3-core 1.5 sq mm copper armoured Cable * HSN/SAC : 8544	3,400	M	3,400	25.09.2018

NOTES: 1. This RFQ is Governed by: a) INSTRUCTIONS TO BIDDERS/SELLERS(Doc No:BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) b) GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no:BHEL:EDN:GCC-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) c) Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same . * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

(address for communication):

BHARAT HEAVY ELECTRICALS LIMITED Electronics Division

PB No. 2606, Mysore Road Bangalore - 560026 INDIA RFQ NUMBER: TGPBOS0013

RFQ DATE: 14.07.2018

Due Date/Day: 24.07.2018 TUE
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue:
NEW ENGG. BLDG

(for all correspondence)

Purchase Executive : TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria :

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	Test Certificate				
	as per clause 7.17 of BHEL spec PS-439-1211				
	3-core 1.5 sq mm copper armoured PVC power Cable				
	PS0679077359 Passive fibre optic components & termina	1	LOT	1	25.09.2018
18	* HSN/SAC : 8544		LOT		
	Test Certificate				
	as per clause 7.18 of BHEL spec PS-439-1211				
	Passive fibre optic components & termination kit consisting of				
	fibre				
	panel, information outlet, cabinets, face plates, SC coupler,				
	Fibre				
	optic drawer with pig-tail, UTP cat-6 patch cords, various				
	connectors,				
	cable ties, multi-stranded copper wire for equipment ground				
	PS0679077367 25-mm PVC conduit with couplers and othe	400	M	400	25.09.2018
19	* HSN/SAC : 8544		IVI		
	Test Certificate				
	as per clause 7.19 of BHEL spec PS-439-1211				
	25-mm PVC conduit with couplers and other accessories for				

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS NOTES: 1.This RFQ is Governed by: a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No:BHEL:EDN:ITB-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no:BHEL:EDN:GCC-SHOP) available at www.bheledn.com (RFQ-PO Terms & Conditions) c)Any other specific Terms and Conditions mentioned. 2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same. * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED

Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: TGPBOS0013

RFQ DATE:

Due Date/Day: 24.07.2018 TUE
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue:
NEW ENGG. BLDG

14.07.2018

(address for communication):

(for all correspondence)
Purchase Executive : TG Pragadeesh

Phone: 080 26998377

Fax:

E-mail: pragadeeshtg@bhel.in

1.0 Financial Criteria:

- a) Bidder should have average minimum annual turnover of INR 45,00,000/- during each of the last 3 (three) years. Audited balance sheet and profit & loss account for the last 3 years shall be submitted in support of above.
- b) Bidder has to submit income tax return for last 3 years.
- c) Bidder should submit copy of valid pan number.
- 2.0 Technical Criteria:
- a) The Bidder should be OEM or an system Integrator of the OEM with office in India. In support of this, supported either from India or from their headquarters or manufacturing centre. A self-certified letter declaring the address will be submitted.

In case of an OEM, Certificate of incorporation from the registrar of companies/ partnership deed/ proprietorship documents etc. as applicable will be submitted. If bidder is quoting on behalf of any of the approved makes of OEM, then bidder shall furnish an authorization letter from the OEM stating that the bidder is authorized to quote for supply, erection supervision, commissioning and providing after sales service support.

- d) Bidder should have experience of supplying and executing with satisfactory performance at least one number of CCTV system package for Industrial application like Solar PV Plant Or coal / Oil/ Gas Thermal Power Plants or Process Plants (In sector of Steel/Aluminium/Fertilizers/Oil & Gas/Refinery & Petrochemicals, etc.) during last 3 years, ending on last date of techno-commercial bid opening. In support of above, bidder shall submit-
- i. Purchase order copies
- ii. Certificate of satisfactory operation of CCTV system from client
- iii. Past Track Record (PTR) for successfully supplied and executed CCTV system package in last 3 years.

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	routing cable				
20	PS0679077375 Any other supply items not covered above * HSN/SAC: 8544 Test Certificate as per clause 7.20 of BHEL spec PS-439-1211 Any other supply items not covered above and required for completion of the CCTV system	1	LOT	1	25.09.2018
21	PS0679077383 I&C of complete CCTV system * HSN/SAC : 9954 as per clause 8.0 of BHEL spec PS-439-1211	1	AU	1	25.09.2018

Total Number of Items - 21

1.

2.

TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS

NOTES:

1. This RFQ is Governed by :

a)INSTRUCTIONS TO BIDDERS/SELLERS(Doc No :BHEL:EDN:ITB-SHOP) available at

www.bheledn.com (RFQ-PO Terms & Conditions)

b)GENERAL CONDITIONS OF CONTRACT FOR PURCHASE(Doc no :BHEL:EDN:GCC-SHOP) available

- at www.bheledn.com (RFQ-PO Terms & Conditions)
- c)Any other specific Terms and Conditions mentioned.
- $2.\ Bidders\ /\ Representatives$ who would like to be present during opening of offers are required to furnish authorization letter for the same .
- * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

TG Pragadeesh Semiconductors & Pho

7 OF 7



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 1 OF 15

Technical specification

Supply, installation and commissioning of

CCTV System

for

10MW (AC) Solar Photovoltaic Power Plant, Santaldih

The information on this document is the property of Bharat Heavy Electricals Limited.

It must not be used directly or indirectly in anyway detrimental to the interest of the company.

REVISION: 00

Approved: RADHAKRISHNAN V V Malhala

Issued Date

Sheered (rappo).
SHEETAL PRASAD

Prepared

SC&PV-Engg

10.07.2018



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 2 OF 15

1 SCOPE

This specification covers the Design, Manufacture, Assembly, Testing at Bidder's Works, Packing, and Delivery to site, Erection Supervision and Commissioning of Closed Circuit Television (CCTV) system for 10 MW solar project at Santaldih, Distt-Purulia, West Bengal.

2 GENERAL INSTRUCTIONS

- a. Bidders are advised to comply to specifications in total, unless the requirement is not feasible. Incomplete offers will be rejected without intimating to bidders. In case feasible deviations are proposed by the bidder and subsequently withdrawn, no commercial implications can be claimed by the bidder.
- b. Bidders are advised to quote models and brands with proven track record of testing and successful operation.
- c. In the event of any conflict between these specifications, data sheets, related standards, codes etc. the bidder shall refer the matter to the purchaser for clarifications and only after obtaining the same shall proceed with the manufacture of the items in question.
- d. CCTV System is meant for gathering video information from the various areas of the power plant with display and recording facilities as per requirement. It is the responsibility of the bidder to select proper models, which meet the technical requirements mentioned in this specification. If there is any deviation then it shall be brought to Purchaser's attention & written approval shall be taken.
- e. Vendor has to enclose the deviation sheet clause wise separately in case any deviations are sought by the vendor. Absence of any deviation sheet shall be taken as compliance of BHEL specification in total without any deviation.

3. GENERAL INFORMATION

- **3.1** Bidder shall be responsible for providing all the items specified in the Bill of Materials (BOM) table. Any deviation in this regard will not be acceptable.
- **3.2** For addition/reduction of quantity, unit rate quoted in the present offer shall be considered.
- **3.3** Duly signed & stamped un-priced price schedule shall be submitted along with technical offer by bidder as a token of his concurrence that all items were quoted along with unit prices.

3.4 Annexures:

ANNEXURE-1- Plant layout drawing indicating CCTV location at Santaldih site



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211	
REV. No. 00	
PAGE 3 OF 15	

4. Standards and References

The equipment furnished under this section shall meet the requirements of all the applicable international codes and standards or their latest amendments. Camera certification shall be CE/FCC/UL or equivalent.

5. Bill of Material

SUPPLY SCOPE	QTY	UNIT	Quoted/Not Quoted
1) PTZ outdoor, industrial 36X camera with night vision , 0.1 lux sensitivity with all accessories	10	No	
2) Dome camera with accessories	4	No	
3) GI 50mm, Mounting poles 5m above ground with junction box	14	No	
4) Power supply unit	10	No	
5) Chasis based, layer-3, redundant power supply, Ethernet network solution with single IP management	1	No	
6) 24-port LIU with splice tray for switch side termination	1	No	
7) Power distribution board	1	No	
8) Server for CCTV system with 45-days storage capacity along with VMS software, recording software and license for all cameras and clients	1	No	
9) 40-inch LED industrial monitor	1	No	
10) PC Commercial, Intel Core i5-6500 (6M Cache, 3.2 GHz), 4GB DDR3L 1600MHz, 1TB 7200rpm SATA HDD 1 no	1	No	
11) Keyboard and joy-stick	1	No	
12) Field network switches with minimum layer-2 functionality and 2 nos of fibre optic / SFP and 4 nos of RJ-45 ports with surge protective devices and of IP-65 protection	5	No	
13) 42U panel for housing the server, network switch in Control room	1	No	
14) 6-core, single mode armoured OFC cable	4500	М	
15) LIU with essential accessories	10	No	
16) Twisted 4-pair STP cat-6 cable and connectors for connectivity	500	М	
17) 3-core 1.5 sq mm copper armoured PVC Cable	3400	М	



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 4 OF 15

18) Passive fibre optic components & termination kit consisting of fibre panel, information outlet, cabinets, face plates, SC coupler, Fibre optic drawer with pig-tail, UTP cat-6 patch cords, various connectors, cable ties, multi-stranded copper wire for equipment ground	1	Lot	
19) 25-mm PVC conduit with couplers and other accessories for routing cables	400	М	
20) Any other supply items not covered above and required for completion of the CCTV system	1	Lot	
I&C SCOPE			
1. Installation and commissioning of complete CCTV system	1	AU	

Notes:

- 1. The BOM mentioned shall be supplied by bidder as minimum requirement. However, any material not listed in the BOM mentioned but required by bidder for successful completion and guarantee run of the project / system shall be in the scope of the bidder. These additional items will be covered under item no 20 of BOM.
- 2. Supply and commissioning of any other Equipment (not listed above) for successful installation and trouble-free operation of the System shall be bidder's responsibility and shall be done by bidder without any commercial implication to BHEL.
- 3. It is mandatory to quote for each item mentioned in the BoM. In case any of the items is not quoted for, the offer will be liable for rejection.
- 4. The items for which qty. is mentioned as "1 Lot", it is the responsibility of the bidder to consider the material as required for the successful completion of erection & commissioning of the system.
- 5. I&C Prices shall be inclusive of travel expenses, lodging, transport and per men day charges. No extra charges will be paid.
- 6. The size and Quantity of CCTV system Racks are indicative only. However, bidder to decide the size and Quantity of CCTV Rack based on the size of Servers, Hard Disks(storage) and other network equipment to be placed in CMCS building required to meet the project requirements (for the CCTV Cameras mentioned and with 20% spare capacity for future).
- 9. The quantities given in BOM may vary as per finalized CCTV location layout based on Customer approval. Same shall be informed to bidder at the time of technical scrutiny. For addition/reduction of quantity, unit rate quoted in the present offer shall be considered.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 5 OF 15

A4-11

6. Approved Make of Components:

- a) CCTV camera:
 - i. BOSCH
 - ii. AXIS (With Milestone Software)
 - iii. PELCO by Schneider
 - iv. Infinova
 - v. Samsung
 - vi. Sony
 - vii. Honeywell
 - viii. Indigo Vision

Note- Compatibility of CCTV camera and software shall be ensured and the vendor shall be responsible for the same.

Other items which are not manufactured by principal manufacturer can be supplied from indigenous local source approved by Principal Manufacturer's approved source/ BHEL. The following make shall be preferred-

- b) Ethernet Cables
 - i. Belden
 - ii. Lap
 - iii. D-Link
- c) Fiber Optic Cables
 - i. Birla Ericsson Optical
 - ii. Aksh Fiber
 - iii. Finolex
 - iv. R&M
 - v. HFCL
- d) Enclosure for Panels
 - i. Pyrotech
 - ii. Pentair (Hoffman)
 - iii. RITTAL
 - iv. MPP
- e) OWS/PC/Server
 - i. HP
 - ii. DELL
 - iii. COMPAQ
 - iv. IBM
 - v. LENOVO

All other items supplied will be of reputable make. BHEL approval shall be taken prior to procurement.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 6 OF 15

7. TECHNICAL REQUIREMENTS

The CCTV system for Santaldih site (in the scope of this project) mainly consists of 14 cameras, Recording & Video Management Servers, VA analytics server and other CCTV Network Accessories and erection hardware (viz. racks, junction boxes, brackets, glands, nut-bolts, conduits etc.).

10 nos of PTZ cameras will be fixed on plant boundary and 4 nos of dome cameras will be at Control room (2 no), Inverter room-1 (1 no) and Inverter room-2 (1 no).

7.1 Design Philosophy of CCTV System

The CCTV system shall be designed as a standalone IP based network architecture. System shall use video signals from different cameras at different locations, process the video signals for viewing on monitors at different locations and simultaneously record all the video streams using H.264 or better compression technique. Joystick and mouse-keyboard Controllers shall be used for Pan, Tilt, Zoom and other functions of desired cameras.

The monitoring of these cameras shall be done at Control room. The required no. of hardware/software licenses to meet the requirements shall be supplied by the bidder.

All the designing of hardware / software required for the CCTV system along with erection supervision and commissioning of the same shall also be in the scope of bidder. Layout location, architecture and configuration scheme will be prepared and submitted by bidder in the event of order placement. It is the responsibility of bidder to provide a new system and supply suitable hardware/software & accessories.

All video and control signals from cameras shall be connected to control room via Cat-6 Cable for distances up to 90m and FO Cables for distances more than 90m. All unarmoured and FO cables shall be routed through flexible conduits. Bidder to note that laying of FO cable and conduit is not in bidder's scope.

Weather proof JB shall be provided for housing network equipment for connecting outdoor cameras with Control room/Inverter room rack.

Power/Voltage conversion equipment if required shall be in scope of bidder. Further distribution of power within equipment inside Junction box/9U rack and to camera shall also be in the scope of bidder.

The Contractor shall guarantee satisfactory performance of the equipment under stipulated variations of voltage and frequency. The design and manufacture shall be such that equipment / components of same type and rating are interchangeable.

From all the Keyboards / monitors connected to the CCTV Network/Servers it shall be possible to access / control / display all the cameras.

Camera and database servers shall offer both video stream management and video stream storage management. These servers shall also manage and store configuration information/database for the whole system. Recording frame rate & resolution in respect of individual camera shall be programmable. It shall be possible to view and record at different resolutions and frame rates and this shall be individually programmable on every camera.

It shall be possible to take back-up of system configuration and database on portable media device and restoring the same if required.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 7 OF 15

A4-11

System shall ensure that once recorded, video cannot be altered.

Camera server shall be provided with sufficient storage space to store recordings of all cameras at 25/30 FPS at 1920X1080 (For HD cameras) for a period of 45 days using necessary compression techniques. All recordings shall have camera ID, Location, Date and Time of recording.

It shall be possible to view, record, search and replay simultaneously without affecting performance of the system.

The system shall be complete in all aspects for reliable performance. The contractor shall submit the detailed block schematic, video, signal & power wiring diagram, describing the connections between the network switch/camera server systems and various cameras, monitors, keyboard and joystick.

The camera & Video Management Software shall conform to ONVIF profile S or latest available applicable ONVIF profile at the time of detail engineering.

The system shall include all the components, accessories, cabinets / console, cables, JB, mounting hardware with all required software for fully functional system. Components shall be of industrial grade. Consumer electronics is not allowed.

7.2 Camera

All the cameras shall be colour, suitable for day and night surveillance (under complete darkness conditions) and network compatible. There will be two types of cameras viz. PTZ & Dome. PTZ cameras shall be high speed integrated dome type.

Camera shall be directly connected to network and use of external encoder for connecting to network is not acceptable. The cameras shall be rugged, high performance color cameras. These cameras shall provide high resolution and high sensitivity suitable for operation in a power plant, both in natural and artificial lighted areas.

Night vision feature for complete darkness shall be available in all cameras.

All the cameras (Both PTZ and Dome) and accessories are to be housed in Weather Proof IP 65 environmental housing made of aluminium and Sun shroud. The housing, with heater and blower installed, shall provide protection for camera/lens assemblies in the ambient temperature range of - 0 deg. C to 50 deg. C.

The following cameras (Under item 7.2.1 and 7.2.2) will be supplied-

7.2.1. PTZ outdoor, industrial 36X camera with night vision, 0.1 lux sensitivity with all accessories

7.2.2. Dome camera with accessories



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 8 OF 15

7.3. GI 50mm, Mounting poles 5m above ground with junction box

Cameras to be installed in any particular location shall be mounted on the nearest equipment structures in the plant. The height shall be 5m above ground level. Mounting locations shall be easily accessible for servicing purposes.

Where structures are not available, rigid vibration proof CCTV Pole protected against corrosion shall be supplied. They shall be fitted with climbing and relevant safety facility.

Camera structures shall have hoisting facility, fixing facilities for cables along the whole structure and for the cameras to be installed with ample space for servicing purposes.

Local junction boxes for cameras shall be of Protection Class IP-55 weather proof system. Junction Boxes shall be made of 2mm thick Cold rolled sheet steel.

5 Mtr Camera Pole with Required Foundation Bolt/Frame shall be supplied.

Weather Proof Junction Box shall be Suitable for accommodating Network Equipment, LIU & Power Distribution Equipment.

7.4. Power supply unit

- 7.5. Chasis based, layer-3, redundant power supply, Ethernet network solution with single IP management
- 7.6. 24-port LIU with splice tray for switch side termination
- 7.7. Power distribution board
- 7.8. Server for CCTV system with 45-days storage capacity along with VMS software, recording software and license for all cameras and clients

The application software shall be used to display, store, control & manage the entire surveillance system.

It shall be possible to control all cameras i.e. PTZ, auto/manual focus, selection of presets, video tour selection etc. The software shall support flexible 1/2/4 windows split screen display mode or scroll mode on the display monitors for live video.

The camera & Video Management Software shall conform to ONVIF profile S or latest available applicable ONVIF profile at the time of detail engineering.

The system shall support video analytics in respect of the following

- 1. Video motion detection,
- 2. Object tracking
- 3. Object classification & Tracking



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 9 OF 15

A4-11

Video Analytics feature shall be part of server. The features shall be user configurable for each camera. It shall be possible to activate recordings automatically based on events generated by video analytics. These events shall also be logged and suitably alarmed on the monitors.

NVMS Server + Software with License for All cameras Video Analytics Server + Software with License for All cameras Recording Server with storage shall be covered under this item.

7.9. 40-inch LED industrial monitor

- a) One LED color monitor (40 inch diagonally) will be installed in Control room Building. **Industrial** grade monitor shall only be supplied.
- b) The monitors shall be versatile and aesthetic units. It shall also be S-VHS/composite video compatible and shall have built in audio. Monitors are to be operable at 230V AC, 50 Hz (Power supply shall be arranged by supplier from CCTV Rack).
- c) They shall comply to the following specifications:
- i) General Automatic degaussing, Fast warm up time Display tube, integral implosion protection.
- ii) Resolution 450 TVL minimum Controls Colour system select, volume, colour, brightness, contrast, power, video input select and Y/C termination.

7.10. PC Commercial, Intel Core i5-6500 (6M Cache, 3.2 GHz), 4GB DDR3L 1600MHz, 1TB 7200rpm SATA HDD 1 no

Operator work station shall be in SCADA Room of Control room Building. Workstation shall be provided with following features as a minimum.

- a) USB Keyboard and USB optical Mouse.
- b) i5 Processor
- c) 4GB RAM
- d) 1 TB Hard Disk
- e) 10/100MBPS Ethernet Card
- f) Windows 7 professional
- g) Antivirus software with minimum 3 years up gradation license
- h) 2GB NVIDIA graphics card
- i) I / O Ports: 2 USB Front, 6 USB Rear, 1 SVGA port, 1 RS232, 1 Mic IN, 1 Mic OUT, 2 PS /2, 1 RJ45, 1 HDMI Card

Actual specification of workstation shall be finalized during detailed engineering. Bidder to note that work station features specified above are minimum requirement. However, it is bidder's responsibility to incorporate any upgradation/additional feature, if it is required for the smooth operation of the CCTV system.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 10 OF 15

7.11. Keyboard and Joystick

Keyboard shall have full function used for system control and programming for selection of various Network switches, camera/database servers, camera functions including pan, tilt and zoom lens controls and shall be ergonomically designed.

Joystick shall be provided for achieving all control functions.

7.12. Field network switches with minimum layer-2 functionality and 2 nos of fibre optic / SFP and 4 nos of RJ-45 ports with surge protective devices and of IP-65 protection

7.13 42U panel for housing the server, network switch in Control room

CCTV rack in Control building & 9U racks in inverter room shall be of Protection Class IP-20.

7.14 6-core (fibre), single mode armoured OFC cable

Optic Fiber cable shall be 6 core, galvanized corrugated steel taped armoured, fully water blocked with dielectric central member for outdoor/indoor application so as to prevent any physical damage. The cable shall have multiple single-mode fibres on as required basis so as to avoid the usage of any repeaters. The outer sheath shall have Flame Retardant, UV resistant properties and progressive automatic sequential online marking of length in meters at every meter on outer sheath.

The cable core shall have suitable characteristics and strengthening for prevention of damage during pulling viz. Steel central number, Loose buffer tube design, 4 fibres per buffer tube (minimum), Interstices and buffer tubes duly filled with Thixotropic jelly etc. The cable shall be suitable for maximum tensile force of 2000 N during installation, and once installed, a tensile force of 1000 N minimum. The compressive strength of cable shall be 3000 N minimum & crush resistance 4000 N minimum. The operating temperature shall be -20 deg. C to 70 deg. C.

All testing of the optic fibre cable being supplied shall be as per the relevant IEC, EIA and other international standards.

Cables shall be suitable for laying in conduits, ducts, trenches, racks and underground buried installation. Suitable chemical shall be added in to the outer sheath to protect the cable against rodent and termite attack.

Spliced/ Repaired cables are not acceptable.

Penetration of water resistance and impact resistance shall be as per IEC standard.

Note: Finalization of Cable drum lengths for single mode FO cables shall be done only after approval of the same by BHEL

7.15 LIU with essential accessories

7.16 Twisted 4-pair STP cat-6 cable and connectors for connectivity



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211	
REV. No. 00	
PAGE 11 OF 15	

7.17 3-core 1.5 sq mm copper armoured PVC power cable

Cables shall be of FRLS PVC sheathed cables for use in CCTV and shall conform to latest edition of Indian/International standards.

7.18 Passive fibre optic components & termination kit consisting of fibre panel, information outlet, cabinets, face plates, SC coupler, Fibre optic drawer with pigtail, UTP cat-6 patch cords, various connectors, cable ties, multi-stranded copper wire for equipment ground

7.19 25-mm PVC conduit with couplers and other accessories for routing cables

7.20 Any other supply items not covered above and required for completion of the CCTV system are as below (7.20.1, 7.20.2 and 7.20.3):

7.20.1 Termination equipment:

Supply of Termination equipment including Glands, lugs, FO Termination equipment (OFC patch cords and LIU panels etc.,) etc., at both ends of the Cable is in the scope of Bidder.

Any interface equipment like adaptors required for providing power supply to cameras and other equipment shall be provided by Bidder.

7.20.2 Earthing

- **a)** Each panel, cabinet, console and other equipment supplied by bidder shall be provided with an earthing lug. All these lugs shall be properly secured to the AC mains earthing bus.
- **b)** All circuit grounds of electronic instruments, shields and drain wires of signal cables shall be connected to instrument ground bus, which is electrically isolated from the AC mains earthing bus. This bus shall be of suitable size and in scope of supply of bidder. The instrument ground bus is connected to independent instrument system earth riser through insulated wires. Purchaser will provide 3 sets of earth risers, one set each for two inverter rooms and one set for control room.

7.20.3 Any other items required:

All the cables (indoor/outdoor) connectors and plugs as required shall be supplied.

Network switches with required no of SFP slots, SFP Module (For Single Mode FO Cables), LIU panels including All accessories necessary for Termination, LAN Switches/ Network Switches, Plugs, Connectors, Glands, Patch Cords, Media Converters, suitable Racks, Power Converters, lugs, Computer Table & Operator Chair or any other hardware/software essential and as required to complete the system

बी एव ई एन **B**

PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211	
REV. No. 00	
PAGE 12 OF 15	

8.0 Installation and commissioning of complete CCTV system

- **a.** Bidder shall include the erection supervision & commissioning for this package.
- **b.** Bidder shall arrange their own lodging, boarding & traveling.
- **c.** Scope of installation, commissioning and other site services shall be as mentioned below. However, Bidder has to provide the services required for the completeness and correctness of the system irrespective of whether it is mentioned in the specification or not.

Activity	Scope
Unloading	BHEL
Supply Verification as per packing list, Transit damage	BHEL
inspection	
Storage at site	BHEL
Custody of items in stores	BHEL
Issue of Items from Stores	BHEL
Installation of equipment at intended locations	BIDDER
Supply of all Accessories for installation of bidder supplied equipment	BIDDER
Inter equipment Cable terminations, Cable glanding,	BIDDER
Lugging, Ferruling and Terminations	
Civil work, earth excavation for preparing cable	BHEL
trenches, Road crossings and refilling of soil, etc.	
Termination of cable at Field/ other	BIDDER
Termination of cable at control/inverter room panels	BIDDER
Laying of all cables(CAT6/Signal Cables/Control	BHEL
Cables/Flexible Wires/Power Cables/F.O Cables as	
per scope), JBs in indoor area & outdoor area for	
complete package	
Erection of bidder supplied Equipment	BIDDER
Supervision of erection of complete Package	BIDDER
Commissioning of system	BIDDER
Commissioning Supervision	BHEL
Loop checking from field to CMCS Room, Invertor	BIDDER
Room & in between all the equipment	
Supervision and acceptance of loop function	BHEL
Commissioning tools & tackles for the CCTV package	BIDDER
Provision of Power supply to Rack/JB	BIDDER
Special proprietary commissioning tools, tackles on	BIDDER
returnable basis	
System handover to customer and protocol with	BIDDER /BHEL
Customer	
Site Mark-up Drawings	BIDDER
Site modifications and preparation of As built	BIDDER
Documents	

COPY RIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the company.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 13 OF 15

9. TESTING & INSPECTION

- **a.** All the equipment shall be tested to conform to the defined specifications as per mutually agreed test plan / FAT procedure which shall be submitted and got approved from purchaser. The system shall be operationally tested to simulate field conditions before dispatch from the work. Besides all routine and acceptance test specified by applicable codes and standards, burn-in test for 72 hours shall be performed on the complete system. Different stringent operational conditions shall be simulated during this period. The system shall be cleared only after successful completion of these tests. All tests shall be witnessed by BHEL and BHEL's customer.
- **b.** For bought out items, the routine and acceptances tests shall be conducted at the equipment manufacturer's works.
- **c.** Type test certificates from a recognized testing agency shall be furnished for the offered equipment.
- **d.** QAP format and instructions for filling up QAP are attached for preparation and submission of QAP by bidder during order execution stage

10. DOCUMENTATION

Documentation shall be in three steps, during offer submission, during drawing approval stage after order placement and as built drawing.

a. To be submitted with the Bid

- i. Bill of material along with details of makes in Unpriced format at Cl No. 8 above
- ii. Technical literature & catalogues
- iii. Type test certificates
- iv. Deviation List if any
- v. Technical Datasheets
- vi. Signed copy of BHEL purchase specification

The Bidder may note that the drawings, data and manuals listed above are minimum requirements only. The Bidder shall ensure that all other necessary write-ups, curves, calculations and information required to fully describe the equipment offered are submitted with his bid.

b. To be submitted after PO placement

- 1. CCTV location Layout and Architecture
- 2. Write up on system operation
- 3. Block Schematic Diagram of complete system
- 4. Bill of material of Complete System
- 5. Technical data Sheets & GA drawings for camera, enclosures, JB's, CCTV, furniture etc.
- 6. Power Supply requirement
- 7. Internal power distribution arrangement & power wiring diagram describing the connections between the network switch/camera server Systems and various cameras, monitors, Keyboard and joystick.
- 8. Equipment arrangement inside CCTV Rack



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 14 OF 15

A4-11

- 9. Any other relevant drawings, documents and data necessary for satisfactory installation, operation and maintenance
- 10. Cable Schedule
- 11. Quality Assurance Plan
- 12. O & M Manuals

Document Schedule

SI. No	Document	Schedule	
1.	First Submission of Drawings	Within 7 days from the date of PO	
2.	Manufacturing Cycle time, Inspection call & Delivery	Within 2 months from Manufacturing clearance date	
3.	As Built Drawings	Within 10 days from the date of Commissioning of CCTV System	

c. Final Documentation

- i. All final documents shall be submitted in 3 sets of hard copies + 1 copy of CD directly to site.
- ii. All field modification shall also be recorded during system commissioning and mark up copy (3 sets) shall be submitted for day-to-day work.
- iii. Complete O&M manual all in 3 sets (2 sets to be included with item dispatch and balance to BHEL purchase dept.)
- iv. Warranty and all test certificates for review and acceptance by BHEL
- v. Final as built documents revised shall be submitted within 10 days from the date of Commissioning of CCTV System
- vi. All engineering drawings and as built drawings shall be furnished in 1 set of CD.

11. GUARANTEE

The bidder shall provide full guarantee for performance of the equipment being supplied for a period of minimum 12 months from date of commissioning or 18 months from date of supply whichever is earlier.

Whereas the technical specifications of the purchaser constitutes the broad guidelines for equipment selection, supply and performance, the bidder shall bear final and total responsibility for engineering and performance to meet the purchaser's specification.

Bidder shall be fully responsible for all the items to be supplied in this package. i.e. bidder shall provide a guarantee certificate for trouble free performance of all the items for 24 months from date of supply. In case of any defect, vendor will supply the replacement material and/or visit site for troubleshooting and repair as will be required for quick resolution.

If any defect in the material, bidder is sole responsible for the replacement with in a period of 3 weeks from the supply/identified as defective.



PURCHASE SPECIFICATION FOR CCTV SYSTEM FOR 10MW SPV PLANT AT SANTALDIH, W.B.

PS 439-1211 REV. No. 00 PAGE 15 OF 15

12. MARKING

Each device shall be identified with the following information as a minimum.

- a) Manufacturer's name or identity
- b) Manufacturer's model and /or serial number
- c) Input range
- d) Tag no.
- e) Power Supply
- f) Area Class & IP Class
- g) IS / Non IS
- h) ID no. for 'FF' field devices.

The above information shall be in a permanent form on a metal nameplate, permanently attached to the device/equipment.

13. PAINTING SPECIFICATION:

- a) All the outdoor items shall be tropicalized and epoxy painted. All carbon steel bolting shall be hot dip galvanized or Cadmium plated and bi-chromated.
- b) Screws, rivets, brackets and stiffeners shall be stainless steel.
- c) Color of the top coat of Control Room panels shall be RAL-7035. However, Final Paint Shade for all the equipment shall be informed to bidder during detail engineering

14. SHIPPING & PACKING

The equipment shall be transported to site by the bidder in fully assembled condition. However, in case some components are liable to be damaged during transit, the same shall be dismantled and supplied separately, to be reassembled at site by the bidder. Assembly of the item supplied loose at site and repairing of any item damaged during transport shall be in the bidder's scope. The bidder shall send each consignment to site with a detailed packing list.





ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್ भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Ltd., (A Government of India undertaking)
Electronics Division

PB 2606, Mysore Road Bangalore, 560026 INDIA

SCPV: BOS: ITB - Rev 01

INSTRUCTIONS TO BIDDERS (ITB)

Bidders are requested to read the instructions carefully and submit their quotations covering all the points:

A. GENERAL INSTRUCTIONS:

- 1. Any Purchase Order resulting from this enquiry shall be governed by the Instructions to Bidders (document reference: SCPV: BOS: ITB Rev 01), General Conditions of Contract (document reference: SCPV: BOS: GCC Rev 01) and Special Conditions of Contract (document reference: SCPV: BOS: SCC: I Rev 01/ SCPV: BOS: SCC: F Rev 01), if any, of the enquiry.
- 2. Any deviations from or additions to the "General Conditions of Contract" or "Special Conditions of Contract" require BHEL's express written consent. The general terms of business or sale of the bidder shall not apply to this tender.
- 3. Bidders (also includes the term suppliers / contractors wherever used in this document) are instructed to quote their most competitive price and best delivery, etc. in the offer. Prices should be indicated in both figures & words. (Please also refer clause 11 under section B)
- 4. Regret letter (either through post or by mail) indicating reasons for not quoting must be submitted without fail, in case of non-participation in this tender. If a bidder fails to respond against 3 consecutive tenders for the same item, he will be liable for removal as a registered vendor of BHEL.
- 5. Procurement directly from the manufacturers shall be preferred. However, if the OEM / Principal insist on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer / supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer / supplier or the manufacturer / supplier could bid directly but not both. In case bids are received from the manufacturer / supplier and his agent, bid received from the agent shall be ignored.
- 6. Consultant / firm (and any of its affiliates) shall not be eligible to participate in the tender/s for the related goods for the same project if they were engaged for consultancy services for the same project.
- 7. If an Indian representative / associate / liaison office quotes on behalf of a foreign based bidder, such representative shall furnish compulsorily the following documents:
 - a. Authorization letter to quote and negotiate on behalf of such foreign-based bidder.
 - b. Undertaking from such foreign based bidder that such contract will be honored and executed according to agreed scope of supply and commercial terms and conditions.
 - c. Undertaking shall be furnished by the Indian representative stating that the co-ordination and smooth execution of the contract and settlement of shortages / damages / replacement / repair of imported scope till system is commissioned and handed over to customer will be the sole responsibility of the Indian representative / associates / agent / liaison office.
- 8. In case of imported scope of supply, customs clearance & customs duty payment will be to BHEL account after the consignment is received at Indian Airport / Seaport. Bidders must provide all original documents required for completing the customs clearance along with the shipment. Warehousing charges due to incomplete or missing documentation will be recovered from the supplier's bill. All offers for imported scope of supply must be made from any of the gateway ports (within the country) indicated. (Refer Annexure I)
- 9. The offers of the bidders who are on the banned list and also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of the banned firms is available on BHEL website: **www.bhel.com.**

10. Business dealings with bidders will be suspended if they are found to have indulged in any malpractices / misconduct which are contrary to business ethics like bribery, corruption, fraud, pilferage, cartel formation, submission of fake/false/forged documents, poor quality, certificates, information to BHEL or if they tamper with tendering procedure affecting the ordering process or fail to execute a contract, or rejection of 3 consecutive supplies or if their firms / works are under strike / lockout for a long period.

B. GUIDELINES FOR PREPARATION OF OFFER:

- 1. Quotation shall be submitted in Single Part Bid, Two Part Bid or Three Part Bid, as called for in the tender:
 - **SINGLE PART BID**: Technical and Commercial Bid with prices along with price summary & filled in BHEL Standard Commercial terms and conditions in a single sealed envelope.
 - TWO PART BID: Unpriced offer i.e. "Techno-commercial Bid" with filled in BHEL Standard Commercial terms and conditions in a sealed envelope along with the copy of the "Price Bid" without the prices should be enclosed in one cover and the cover must be super scribed "Techno-commercial offer and Priced offer i.e. "Price Bid" containing price summary in a separate sealed envelope and must be super scribed "Price Bid". Both these envelopes shall be enclosed in a single sealed envelope super scribed with enquiry number, due date of tender and any other details as called for in the tender document.
 - THREE PART BID: Pre-qualification Bid (Part-I), Techno Commercial Bid with filled in BHEL Standard Commercial
 terms and conditions (Part-II), and Price Bid (Part-III). All three envelopes shall be enclosed in a single sealed
 envelope super scribed with enquiry number due date of tender and any other details as called for in the tender
 document.

If any of the offers (Part I, Part II or Part III) are not submitted before the due date and time of submission at the venue/place specified or if any part of the offer is incomplete the entire offer of the bidder is liable for rejection.

- 2. Supplier shall ensure to super scribe each envelope with RFQ number, RFQ Date, RFQ Due date and time, Item Description and Project clearly & boldly. Also mention on the envelope whether it is "Techno Commercial Bid" or "Price Bid" or "Pre-Qualification Bid". Please ensure complete address, department name and purchase executive name is mentioned on the envelope (before dropping in the tender box or handing over) so that the tender is available in time for bid opening.
- 3. BHEL standard Commercial Terms and Conditions shall be duly filled, signed & stamped and must accompany Technical-Commercial offer without fail and should be submitted in original only. Photocopy will not be accepted. All documents submitted along with the offer shall be signed and stamped in each page by authorized representative of the bidder.
- 4. Any of the terms and conditions not acceptable to supplier, shall be explicitly mentioned in the Techno-Commercial Bid. If no deviations are brought out in the offer it will be treated as if all terms and conditions of this enquiry are accepted by the supplier without any deviation.
- 5. Deviation to this specification / item description, if any, shall be brought out clearly indicating "DEVIATION TO BHEL SPECIFICATION" without fail, as a part of Techno-Commercial Bid. If no deviations are brought out in the offer it will be treated as if the entire specification of this enquiry is accepted without deviation.
- 6. Suppliers shall submit one set of original catalogue, datasheets, bill of materials, dimensional drawings, mounting details and / or any other relevant documents called in purchase specification as part of Technical Bid.
- 7. "Price Bid" shall be complete in all respects containing price break-up of all components along with all applicable taxes and duties, packing & forwarding charges (if applicable), freight charges (if applicable) etc. Once submitted no modification / addition / deletion will be allowed in the "Price Bid." Bidders are advised to thoroughly check the unit price, total price to avoid any discrepancy.
- 8. In addition, bidder shall also quote for erection & commissioning charges (I&C charges), documentation charges, service charges, testing charges (type & routine), training charges, service tax, etc. wherever applicable. The price summary must indicate all the elements clearly.
- 9. Vendors should indicate "lump sum" charges (including To & Fro Fare, Boarding, Lodging, Local Conveyance etc.) for Supervision of Erection, Commissioning and handing over to customer. The quotation shall clearly indicate scope of work, likely duration of commissioning, pre-commissioning checklist and service tax (if any).
- 10. Wherever bidders require PAC (Project Authority Certificate) for import of raw materials, components required for Mega

- Power Projects, Export Projects, MNRE Concession or other similar projects wherein supplies are eligible for customs duty /Excise duty benefits, lists and quantities of such items and their values (CIF) has to be mentioned in the offer. Prices must be quoted taking into account of such benefits.
- 11. All quotations shall be free from corrections /overwriting. Corrections if any should be authenticated with signature and seal. Any typographical error, totaling mistakes, currency mistake, multiplication mistake, summing mistakes etc. observed in the price bids will be evaluated as per **Annexure VI** "Guidelines for dealing with Discrepancy in Words & Figures quoted in price bid". BHEL decision will be final.

C. GUIDELINES FOR OFFER SUBMISSION:

- 1. Offers / Quotations must be dropped in tender box before 13.00 Hrs. on or before due date mentioned in RFQ. The offers are to be dropped in the proper slot of the Tender Box kept in our reception area with caption "CE, SC&PV, DEFENCE." Tenders are opened on 3 days in a week (Monday/Wednesday/Friday). Tender must be deposited in the slot corresponding to the day (Monday Box no.4/Wednesday Box no. 6 /Friday Box no.8) while depositing the offer. (This clause will not be applicable for e-tenders).
- 2. E-Mail / Internet / EDI offers received in time shall be considered only when such offers are complete in all respects. In case of offers received through E-mail, please send the offer to the email IDs within time of submission of tender.
- 3. In cases where tender documents are bulky, or due to some reasons tender documents are required to be submitted by hand or through posts/couriers, the offers are to be handed over to purchase officers.
- 4. Tenders will be opened on due date, time and venue as indicated in the RFQ in the presence of bidders at the venue indicated in the RFQ. In case of e-procurement, bidders can see tender results till seven days after due date and time.
- 5. Vendor will be solely responsible:
 - a. For submission of offers before due date and time. Offers submitted after due date and time will be treated as "Late offers" and will be rejected.
 - b. For submission of offers in the correct compartment of the tender box based on the day of due date (Monday/Wednesday/Friday). Please check before dropping your offer in the correct tender box.
 - c. For depositing offers in proper sealed condition in the tender box. If the bidder drops the tender in the wrong tender box or if the tender document is handed over to the wrong person BHEL will not be responsible for any such delays.
 - d. For offers received through email/courier etc., suppliers are fully responsible for lack of secrecy on information and ensuring timely receipt of such offers in the tender box before due date & time.
 - e. In case of e-tender, all required documents should be uploaded before due date and time. Availability of power, internet connections, etc. will be the sole responsibility of the vendor. Wherever assistance is needed for submission of e-tenders, help line numbers and executives of service provider of BHEL may be contacted.

Service provider: M-junction

Website address: https://bheleps.buyjunction.in/

Helpline no.: 033-66106426/6217/6013/6046/6176 (9:30 am to 5:30 pm)

9163348283/9163348284/9163348285/9163348286/8584008116 (5:30 pm to 8:30 pm)

Purchase Executive / BHEL will not be responsible for any of the activities relating to submission of offer.

D. PROCESSING OFFERS RECEIVED:

- 1. Any discount / revised offer submitted by the supplier on its own shall be accepted provided it is received on or before the due date and time of offer submission (i.e. Part-I bid). The discount shall be applied on pro-rata basis to all items unless specified otherwise by the bidder.
- 2. Changes in offers or Revised offers given after Part-I bid opening shall not be considered as a part of the original offer unless such changes / revisions are requested by BHEL.
- 3. In case there is no change in the technical scope and / or specifications and / or commercial terms & conditions by BHEL, the supplier will not be allowed to change any of their bids after Technical bids are opened (after the due date and time of tender opening of Part-1 Bid).

- 4. In case of changes in scope and/ or technical specifications and/ or commercial terms & conditions by BHEL and it accounts for price implications from vendors, all techno-commercially acceptable bidders shall be asked by BHEL (after freezing the scope, technical specifications and commercial terms & conditions) to submit the impact of such changes on their price bid. Impact price will be applicable only for changes in technical specification / commercial conditions by BHEL. The impact price must be submitted on or before the cut-off date specified by BHEL and the original price bid and the price impact bid will be opened together at the time of price bid opening. Impact price means only for those items which have been impacted by addition / deletion / changes in the technical specifications or commercial conditions. The impact may be +/- incremental value of the currency in which originally quoted. The impact price bid to be submitted on the cut-off date, time & venue as specified by BHEL. The impact price bid shall be opened along with original price bid.
- 5. Un-opened bids (including price bids) will be returned to the respective bidders after release of PO and receipt of order acknowledgement from the successful bidder.
- 6. After receipt of Purchase Order, supplier should submit required documents like drawings, bill of materials, datasheets, catalogues, quality plan, test procedure, type test report, O & M Manuals and / or any other relevant documents as per Specification / Purchase Order, as and when required by BHEL / Customer.
- 7. Any deviation to the terms and conditions not mentioned in the quotation by supplier in response to this enquiry will not be considered, if put forth subsequently or after issue of Purchase Order, unless clarification is sought for by BHEL EDN and agreed upon in the Purchase Order.
- 8. Evaluation shall be on the basis of delivered cost (i.e. "Total Cost to BHEL"). As per RFQ terms. "Total Cost to BHEL" shall include total basic cost, packing & forwarding charges, taxes and duties, inspection charges, freight charges, test charges, insurance, service tax for services, any other cost indicated by vendor for execution of the contract and loading factors (for non-compliance to BHEL Standard Commercial Terms & Conditions). Benefits arising out of Nil Import Duty on Mega Projects, Physical Imports or such 100% exemptions & MNRE Exemptions (statutory benefits), customer reimbursements of statutory duties (like Excise Duty, CST, VAT) will also be taken into account at the time of tender evaluation. (Wherever applicable and as indicated in SCC document of tender)
- 9. For evaluation of offers in foreign currency, the exchange rate (TT selling rate of SBI) shall be taken as under:

Single part bids: Date of tender opening
Two/three part bids: Date of Part-I bid opening
Reverse Auction: Date of Part-I bid opening

In case of Performance Bank Guarantee (PBG) also, exchange rate will be considered as mentioned above for converting foreign currency to Indian currency and vice versa.

If the relevant day happens to be a bank holiday, then the exchange rate as on the previous working day of the bank (SBI) shall be taken.

10. Ranking (L-1, L-2 etc.) shall be done only for the techno-commercially acceptable offers and on the basis or evaluation of Total Cost to BHEL.

E. INFORMATION ON PAYMENT TERMS:

- 1. All payments will be through Electronic Fund transfer (EFT). Vendor has to furnish necessary details as per BHEL standard format (Refer Annexure IV) for receiving all payments through NEFT. (Applicable for Indian vendors only)
- 2. Statutory deductions, if any, will be made and the deduction certificate shall be issued. In case vendor does not provide PAN details, the TDS deduction shall be at the maximum percentage stipulated as per the provisions of Income Tax Act. (Applicable for Indian vendors only). Foreign vendors shall submit relevant details of their bankers like Swift Code, Banker's Name & Address etc.
- 3. Vendors must submit bills & invoices along with required supporting documents in time. Incomplete documentation / delayed submission of invoice / documents will result in corresponding delay in payment.

F. STANDARD PAYMENT TERMS OF BHEL-EDN

Purchase Orders for indigenous procurement

(a) SUPPLY WITH I&C/SUPERVISION:

Supply:

- 1) 80% of basic Supply value + 100% of taxes, duties and freight charges will be paid with 45 days credit from the receipt of material at site or 15 days credit from the date of submission of complete set of documentation whichever is later.
- 2) 10% of basic supply value will be paid on completion of I&C against submission of supplementary invoice along with proof of completion of I&C along with I&C charges (if any).
- 3) Balance 10% (retention money) against submission of supplementary invoice along with PBG valid for Warranty Period+3 months Claim Period from BHEL Consortium Bank.

 $\underline{\textbf{I\&C/Supervision:}}\ 100\%\ on\ completion\ of\ \textbf{I\&C/Supervision}\ and\ certification\ line\ item\ wise\ on\ pro-rata\ basis.$

<u>O&M</u>: 100% O&M charges are payable as per RFQ terms against report certified by BHEL.

(b) SUPPLY ONLY:

1) 100% of Basic value with taxes, duties and freight will be paid with 45 days credit from the receipt of material at site or 15 days credit from the date of submission of complete set of documentation whichever is later)+ submission of PBG valid for Warranty Period+ 3 months Claim Period from BHEL Consortium Bank, if applicable.

Purchase orders for import procurement:

(c) SUPPLY WITH I&C/SUPERVISION:

Supply:

- 1) 80% of the basic value (excluding I&C charges) will be paid with 45 days credit, against Sight draft, from the date of AWB/BOL on submission of complete set of documents as in PO.
- 2) 10% of basic supply value will be paid on completion of I&C against submission of supplementary invoice along with proof of completion of I&C along with I&C charges (if any).
- 3) Balance 10% (retention money) against submission of supplementary invoice along with PBG valid for Warranty Period+3 months Claim Period from BHEL Consortium Bank.

<u>I&C</u>: 100% on completion of I&C/Supervision and certification line item wise on pro-rata basis.

(d) SUPPLY ONLY:

1) 100% of PO value will be paid against Sight draft with 45 days Credit from the date of dispatch or 15 days credit from the date of submission of complete set of documents whichever is later)+ submission of PBG valid for Warranty Period+3 months Claim Period from BHEL Consortium Bank ,if applicable.

Note for (a), (b), (c) and (d): In exceptional cases, if vendor fails to submit PBG after supplies, vendors can also accept for the final 10% payment, payable after the warranty period + 3 months of claim period against supplementary invoice subject to the completion of commissioning (if applicable) as PBG is linked to Warranty period.

G. LOADING FACTORS FOR PAYMENT TERMS & DELAYED DELIVERY:

Loading factors as detailed below will be added to the quoted price (basic) to evaluate the lowest quote for non-compliance of BHEL standard commercial term.

SI No	Deviation on	Nature of Deviation / Offered Terms	Loading %
		For Purchase within India :-	
		1) Credit period less than 45 days	15
		* For Foreign Purchase :-	
		1) Payment through At Sight Letter of Credit	10
1.	Payment Terms	2)Payment through Letter of Credit with usance credit of 45 days	5
		3) Sight Draft with credit period less than 45 days	5
2.	Penalty for Delayed Delivery	1) Non – Acceptance	10
		2) Partial Acceptance (X%)	(10 – X)

^{*} All bank charges shall be to seller's account. If bank charges of BHEL banker are to BHEL's account then additional loading of 2% on the quoted basic value is applicable.

Offer/s with payment terms other than the standard payment terms indicated at Clause No.F or Deviated Payment Terms with loading indicated at Clause No.G above are liable for rejection.

NOTES:

- 1. ADVANCE PAYMENT/LC: Quotations with "Advance payment/Inland LC" shall be rejected.
- 2. Basic value of Purchase Order mentioned above will include all components of the purchase order and will exclude only taxes, duties, freight and I&C charges (wherever applicable).
- 3. Wherever the Purchase Order is split into import portion and indigenous portion of supply the retention money will be 10% (as applicable) of both purchase order values put together.
- 4. Non-Compliance of Warranty terms. Offers not complying with Warranty terms as per RFQ Terms is liable for rejection.
- 5. SALE IN TRANSIT/ LOCAL VAT: Sale in transit under section 6(2) of CST is allowed if movement of goods is interstate. In case intra state movement of goods, benefit of sale in transit is not available.
- 6. In case of intrastate movement i.e. supply within same state and VAT is applicable, the vendor shall furnish the respective BHEL's nodal agency TIN no. and address in their invoice. (Refer **Annexure IX**)

H. BANK GUARANTEE (BG) / PERFORMANCE BANK GUARANTEE (PBG):

- 1. Bank guarantee (BG) / Performance bank guarantee (PBG) will be applicable as called in the tender documents. Such PBG shall be valid for a period of Warranty Period + claim period of 3 months for a value equal to 10 % of the basic value of the purchase order. No deviation for the duration of PBG / BG will be permitted.
 - a. PBG shall be from any of the BHEL consortium of bankers (refer Annexure V).
 - b. PBGs from nationalized banks are also acceptable.

- c. PBG should be sent directly by the bank to the dealing executive mentioned in the purchase order located at the address mentioned in the purchase order. PBG should be in the format indicated. (Refer Annexure III). No deviation to these formats will be allowed.
- d. Confirmation from any of the BHEL consortium of banks or any of the Indian Public Sector Banks is essential for the acceptance of PBGs issued by foreign banks (located outside India).
- e. Expired BGs / PBGs will be returned only after expiry of the claim period or on completion of the contractual obligation.
- f. In case vendor does not accept for submission of PBG, the vendor is liable for rejection on commercial grounds.

I. DOCUMENTS (TRIPLICATE COPIES) REQUIRED AT THE TIME OF DISPATCH FOR PROCESSING OF BILL:

1. FOR INDIGENOUS SCOPE OF SUPPLY:

For Supply: Invoice in Triplicate, Lorry receipt (LR) copy, Packing List, PSI Call Letter Copy, Proof of delivery such as MRC (Material Receipt Certificate)/ original acknowledged LR, Insurance intimation Letter and Warranty Certificate. Note that document pertaining to Proof of delivery shall clearly mention number of boxes/panels etc which shall be in line with the Packing list.

For I&C: Supplementary Invoice in Triplicate with copy of I&C Certificate (Proof of Completion of I&C).

For PBG: Supplementary Invoice in Triplicate with copy of PBG. However, PBG should reach concerned Purchase Officer directly from the Bank.

2. FOR IMPORTED SCOPE OF SUPPLY:

For Supply: Invoice in Triplicate, Air Way Bill/Bill of Lading, Packing List, PSI Call Letter Copy, and Warranty Certificate. **For I&C**: Supplementary Invoice in Triplicate with copy of I&C Certificate (Proof of Completion of I&C).

For PBG: Supplementary Invoice in Triplicate with copy of PBG. Both PBG & supplementary invoice should reach concerned Purchase Officer directly from the Bank.

J. PROVISONS APPLICABLE FOR MSE VENDORS (MICRO AND SMALL ENTERPRISES)

Vendors who qualify as MSE vendors are requested to submit applicable certificates (as specified by the Ministry of Micro, Small and Medium Enterprises) at the time of vendor registration. Vendors have to submit any of the following documents along with the tender documents in the Part I / Technical bid cover to avail the applicable benefits.

- a. Valid NSIC certificate or
- b. Entrepreneur's Memorandum part II (EM II) certificate (deemed valid for 2 years).
- c. EM II certificate with CA certificate (in the prescribed format given in Annexure VIII) applicable for the year certifying that the investment in plant and machinery of the vendor is within permissible limits as per the MSME Act 2006 for relevant status where the deemed validity is over.
- d. Documents submitted for establishing the credentials of MSE vendors must be valid as on the date of part I / technical bid opening for the vendors to be eligible for the benefits applicable for MSE vendors. Documents submitted after the Part I / Technical bid opening date will not be considered for this tender.

PURCHASE PREFERENCE FOR MSE VENDORS:

- e. MSE vendors quoting within a price band of L1 + 15% shall be allowed to supply up to 20% of the requirement against this tender provided.
 - 1. The MSE vendor matches the L1 price.
 - 2. L1 price is from a non MSE vendor.
 - 3. L1 price will be offered to the nearest vendor nearest to L1 in terms of price ranking (L2 nearest to L1). In case of non-acceptance by the MSE vendor (L2) next ranking MSE vendor will be offered who is within the L1 + 15% band (if L3 is also within 15% band).
 - 4. 20% of the 20% (i.e. 4% of the total enquired quantity) will be earmarked for SC/ST owned MSE firms provided conditions as mentioned in (1) and (2) are fulfilled.
 - 5. In case no vendor under SC / ST category firms are meeting the conditions mentioned in (1) and (2) or have not participated in the tender, in such cases the 4% quantity will be distributed among the other eligible MSE vendors who have participated in the tender.

6. Serial no. 1 to 5 will not be applicable wherever it is not possible to split the tendered quantity / items on account of customer contract requirement, or the items tendered are systems. Such information that tendered quantity will not be split will be indicated in the SCC.

K. INTEGRITY COMMITMENT IN THE TENDER PROCESS, AND EXECUTION OF CONTRACTS:

1. Commitment by BHEL:

BHEL commits to take all measures necessary to prevent corruption in connection with the Tender process and execution of the Contract. BHEL will, during the tender process, treat all bidder / suppliers in a transparent and fair manner, and with equity.

2. Commitment by Bidder(s)/ Contractor(s):

- a. The Bidder(s)/ Contractor(s) commit(s) to take all measures to prevent corruption and will not directly or indirectly try to influence any decision or benefit which he is not legally entitled to.
- b. The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding or any actions to restrict competition.
- c. The Bidder(s)/ Contractor(s) will not commit any offence under the relevant Acts. The Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain or pass on to others, any information or document provided by BHEL as part of business relationship.
- d. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to the relevant guidelines issued from time to time by Government of India/ BHEL.

If the Bidder(s) / Contractor(s), before award or during execution of the Contract commit(s) a transgression of the above or in any other manner such as to put his reliability or credibility in question, BHEL is entitled to disqualify the Bidder(s) / Contractor (s) from the tender process or terminate the contract and/ or take suitable action as deemed fit.

L. FRAUD PREVENTION POLICY:

The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice. Fraud Prevention policy and List of Nodal Officers shall be hosted on BHEL website, vendor portals of Units/regions intranet.

PURCHASE EXECUTIVE



ಭಾರತ್ ಹೆವಿ ಎಲೆಕ್ಟ್ರಿಕಲ್ಸ್ ಲಿಮಿಟೆಡ್ भारत हेवी इलेक्टिकल्स लिमिटेड

Bharat Heavy Electricals Ltd., (A Government of India undertaking) Electronics Division

PB 2606, Mysore Road Bangalore, 560026 INDIA

SCPV: BOS: GCC - Rev 01

GENERAL COMMERCIAL CONDITIONS FOR CONTRACT (GCC)

These 'General Commercial Conditions for Contract for Purchase' hereinafter referred to as GCC apply to all enquiries, tenders, requests for quotations, orders, contracts and agreements concerning the supply of goods and the rendering of related services (hereinafter referred to as "deliveries") to Bharat Heavy Electricals Limited and any of its units, regions or divisions (hereinafter referred to as "BHEL" or the Purchaser) or its projects / customers.

Any deviations from or additions to these GCC require BHEL's express written consent. The general terms of business or sale of the vendor shall not apply to BHEL. Acceptance, receipt of shipments or services or effecting payment shall not mean that the general terms of business or sale of the vendor have been accepted.

Orders, agreements and amendments thereto shall be binding if made or confirmed by BHEL in writing. Only the Purchasing department of BHEL is authorized to issue the Purchase Order or any amendment thereof.

<u>Definitions:</u> Throughout these conditions and in the specifications, the following terms shall have the meanings assigned to them, unless the subject matter or the context requires otherwise.

- a) 'The Purchaser' means Bharat Heavy Electricals Limited, Electronics division, Mysore road, Bangalore 560 026, a Unit of Bharat Heavy Electricals Limited (A Govt. of India Undertaking) incorporated under the Companies Act having its registered office at BHEL House, Siri Fort, New Delhi-110049, India and shall be deemed to include its successors and assigns. It may also be referred to as BHEL.
- b) 'The vendor' means the person, firm, company or organization on whom the Purchase Order is placed and shall be deemed to include the vendor's successors, representative heirs, executors and administrator as the case may be. It may also be referred to as Seller, Contractor or Supplier.
- c) 'Contract' shall mean and include the Purchase Order incorporating various agreements, viz. tender/ RFQ, offer, letter of intent / acceptance / award, the General Conditions of Contract and Special Conditions of Contract for Purchase, Specifications, Inspection / Quality Plan, Schedule of Prices and Quantities, Drawings, if any enclosed or to be provided by BHEL or his authorized nominee and the samples or patterns if any to be provided under the provisions of the contract.
- d) 'Parties to the Contract' shall mean the 'The Vendor' and the Purchaser as named in the main body of the Purchase Order.
- "Bidder" shall mean duly established reputed organisation, manufacturer etc. having requisite financial and technical capability and experience of participating in the bid invited by the purchaser for the tender.
- f) Bid- The term "bid" or "bidding" can also relate to the documented Offer submitted in response to a request for quotation (RFQ) /Tender.

Interpretation:

In the contract, except where the context requires otherwise:

- a) words indicating one gender include all genders;
- b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- provisions including the word "agree", "agreed" or "agreement" require the agreement to be recorded in writing, and
- d) "Written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record.

Applicable Conditions:

- <u>Price Basis:</u> All prices shall be firm until the purchase order is executed / completed in all respects. No price variations / escalation shall be permitted unless otherwise such variations / escalations are provided for and agreed by BHEL in writing in the purchase order.
- 2. **Validity:** The offer will be valid for a period of 90 days from the date of technical bid opening date. Validity beyond 90 days, if required, will be specified in the SCC (special conditions of contract).
- 3. Taxes & Duties: Taxes as mentioned in the Contract Price or Price Schedule shall be paid to the Contractor subject to the Contractor complying with all the statutory requirements and furnishing the relevant documents including error free invoices containing detailed break-up of the taxes. Any duties, levies or taxes not mentioned in Contract Price or Price Schedule but applicable as per any statute(s) shall be deemed to be included in the Contract price and shall be to the account of the Contractor.

 The Contractor shall bear and pay all the costs, liabilities, levies, interest, penalties in respect of non-compliances of any legal requirements as per various statutory provisions. The contractor shall keep the

The Contractor shall bear and pay all the costs, liabilities, levies, interest, penalties in respect of non-compliances of any legal requirements as per various statutory provisions. The contractor shall keep the owner indemnified at all times from any tax liability, interest, penalties or assessments that may be imposed by the statutory authorities for non-compliances or non-observation of any statutory requirements by the Contractor.

- 4. Ordering and confirmation of Order: Vendor shall send the order acceptance on their company letter head within two weeks from the date of Purchase Order or such other period as specified / agreed by BHEL. BHEL reserves the right to revoke the order placed if the order confirmation differs from the original order placed. The acceptance of goods/services/supplies by BHEL as well as payments made in this regard shall not imply acceptance of any deviations.
 - The purchase order will be deemed to have been accepted if no communication to the contrary is received within two weeks (or the time limit as specified / agreed by BHEL) from the date of the purchase order.
- 5. <u>Documentation:</u> After receipt of Purchase Order, vendor should submit required documents like drawings, bill of materials, datasheets, catalogues, quality plan, test procedure, type test report, O & M Manuals and/or any other relevant documents as per Specification/Purchase Order, as and when required by BHEL/Customer.

At any stage within the contract period, the vendor shall notify of any error, fault or other defect found in BHEL's documents /specifications or any other items for reference. If and to the extent that (taking account of cost and time) any vendor exercising due care would have discovered the error, fault or other defect when examining the documents/specifications before submitting the tender, the time for completion shall not be extended. However if errors, omissions, ambiguities, inconsistencies, inadequacies or other defects are found in the vendor's documents, they shall be corrected at his cost, notwithstanding any consent or approval.

6. TERMS OF DELIVERY:

FOR IMPORTED PURCHASE:

Price offered shall be for goods packed and delivered CIF Seaport/ International Airport (FCA) including packing, forwarding, Handling, Ancillary charges like processing of Sight Draft, negotiation charges of bank, Export declaration, Certificate of origin etc.

Packing shall be Air/Sea worthy, best suitable for trans-shipment and to take care of transit damages. If containerized, no. of containers & size of container shall be mentioned. Packing weight (gross & net) Packing dimensions shall be given prior to shipment to ascertain whether the consignment can be carried on standard cargo in contract or as ODC.

Wooden packing material for all the foreign consignments should be treated as per ISPM-15 & Fumigation / Phytosanitary certificate to be submitted to the freight forwarders/ BHEL along with the invoice, B/L, packing list etc.

Vendors shall indicate the name of International Airport/Seaport. The consignment shall be handed over to BHEL approved freight forwarder as mentioned in PO.

FOR INDIGENOUS PURCHASE:

Equipment shall be delivered on "FOR SITE" basis, inclusive of freight, packing, insurance & forwarding charges.

Packing shall be Road / Rail / Air / Sea worthy, best suitable for transhipment and to take care of transit damages. Smaller consignments can be dispatched through Courier services/ RPP with the prior approval of the purchasing Executive.

Deviation for the delivery term is liable for rejection.

7. Penalty:

For delay in delivery: In the event of delay in agreed contractual delivery as per Purchase Order, penalty @ 0.5 % (half percent) per week or part thereof but limited to a max of 10% (ten percent) value of undelivered portion (basic material cost) will be applicable. Delivery will commence from the date of document approval by customer / BHEL or date of issue of manufacturing clearance, whichever is later. The date for which Inspection call is issued by vendor along with test certificates / test reports / Certificate of Conformance / calibration reports, as proof of completion of manufacturing will be treated as date of deemed delivery for penalty calculation. In the absence of furnishing such document indicated above as proof of completion of manufacturing along with inspection call, actual date of inspection will be considered as date of deemed delivery and BHEL will not be responsible for delay in actual date of inspection.

Penalty for delayed delivery, if applicable, shall be deducted at the time of first payment. If penalty is applicable for duration of less than a week, penalty @ 0.5% (half percent) of the basic material value will be deducted.

- 8. Contract variations (Increase or decrease in the scope of supply): BHEL may vary the contracted scope as per requirements at site. If vendor is of the opinion that the variation has an effect on the agreed price or delivery period, BHEL shall be informed of this immediately in writing along with technical details. Where unit rates are available in the Contract, the same shall be applied to such additional work. Vendor shall not perform additional work before BHEL has issued written instructions / amendment to the Purchase Order to that effect. The work which the vendor should have or could have anticipated in terms of delivering the service(s) and functionality (i.e.) as described in this agreement, or which is considered to be the result of an attributable error on the vendor's part, shall not be considered additional work.
- 9. Reverse Auction: BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non- consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite

action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

- 10. Pre Shipment Inspection: Prior written notice of at least one week shall be given along with internal test certificates / COC and applicable test certificates. Materials will be inspected by BHEL-EDN-QS/CQS or BHEL nominated Third Party Inspection Agency (TPIA) or BHEL authorized Inspection Agency or Customer / Consultant or jointly by BHEL & Customer / consultant. All tests have to be conducted as applicable in line with approved Quality plan or QA Checklist or Purchase specification and original reports shall be furnished to BHEL-EDN, Bangalore for verification / acceptance for issue of dispatch clearance. All costs related to inspections & re-inspections shall be borne by vendor. Whether the Contract provides for tests on the premises of the vendor or any of his Sub-contractor/s, vendor shall be responsible to provide such assistance, labour, materials, electricity, fuels, stores, apparatus, instruments as may be required and as may be reasonably demanded to carry out such tests efficiently. Cost of any type test or such other special tests shall be borne by BHEL only if specifically agreed to in the purchase order.
- 11. <u>Transit Insurance:</u> Transit insurance coverage between vendor's works and project site shall be to the account of BHEL, unless specifically agreed otherwise. However, vendor shall send intimation directly to insurance agency through fax/courier/e-mail, immediately on dispatch of goods for covering insurance. A copy of such intimation sent by vendor to insurance agency shall be given to BHEL along with dispatch documents. Dispatch documents will be treated as incomplete without such intimation copy. BHEL shall not be responsible for sending intimations to insurance agency on behalf of the vendor.
- 12. Packaging and dispatch: The Seller shall package the goods safely and carefully and pack them suitably in all respects considering the peculiarity of the material for normal safe transport by Sea / Air / Rail / Road to its destination suitably protected against loss, damage, corrosion in transit and the effect of tropical salt laden atmosphere. The packages shall be provided with fixtures / hooks and sling marks as may be required for easy and safe handling. If any consignment needs special handling instruction, the same shall be clearly marked with standard symbols / instructions. Hazardous material should be notified as such and their packing, transportation and other protection must conform to relevant regulations.

The packing, shipping, storage and processing of the goods must comply with the prevailing legislation and regulations concerning safety, the environment and working conditions. Any Imported/Physical Exports items packed with raw / solid wood packing material should be treated as per ISPM - 15 (fumigation) and accompanied by Phytosanitory / Fumigation certificate. If safety information sheets (MSDS - Material Safety Data Sheet) exist for an item or the packaging, vendor must provide this information without fail along with the consignment.

Each package must be marked with Consignee name, Purchase order number, Package number, Gross weight and net weight, dimensions (L x B x H) and Seller's name. Packing list of goods inside each package with PO item number and quantity must also be fixed securely outside the box to indicate the contents of each box. Total number of packages in the consignment must also be indicated.

Separate packing & identification of items should be as follows.

- 1. Main Scope All items must be tagged with part no. & item description.
- 2. Commissioning spares All items must be tagged with part no. & item description.
- 3. Mandatory spares All items must be tagged with part no. & item description.
- 13. Assignment of Rights & Obligations; Subcontracting: Vendor is not permitted to subcontract the delivery or any part thereof to third party or to assign the rights and obligations resulting from this agreement in whole or in part to third parties without prior written permission from BHEL. Any permission or approval given by the BHEL shall, however, not absolve the vendor of the responsibility of his obligations under the Contract.
- 14. <u>Progress report:</u> Vendor shall render such report as to the progress of work and in such form as may be called for by the concerned purchase officer from time to time. The submission and acceptance of such reports shall not prejudice the rights of BHEL in any manner.
- 15. <u>Non-disclosure and Information Obligations: Vendor</u> shall provide with all necessary information pertaining to the goods as it could be of importance to BHEL. Vendor shall not reveal confidential information that may be divulged by BHEL to Vendor's employees not involved with the tender/ contract &

its execution and delivery or to third parties, unless BHEL has agreed to this in writing beforehand. Vendor shall not be entitled to use the BHEL name in advertisements and other commercial publications without prior written permission from BHEL.

16. <u>Cancellation / Termination of contract:</u> BHEL shall have the right to completely or partially terminate the agreement by means of written notice to that effect. Termination of the Contract, for whatever reason, shall be without prejudice to the rights of the parties accrued under the Contract up to the time of termination.

BHEL shall have the right to cancel/foreclose the Order/ Contract, wholly or in part, in case it is constrained to do so, on account of any decline, diminution, curtailment or stoppage of the business.

17. Risk Purchase Clause: In case of failure of supplier, BHEL at its discretion may make purchase of the materials / services NOT supplied / rendered in time at the RISK & COST of the supplier. Under such situation, the supplier who fails to supply the goods in time shall be wholly liable to make good to BHEL any loss due to risk purchase.

In case of items demanding services at site like erection and commissioning, vendor should send his servicemen /representatives within 7 days from the service call. In case a vendor fails to attend to the service call, BHEL at its discretion may also make arrangements to attend such service by other parties at the RISK & COST of the supplier. Under such situation the supplier who fails to attend the service shall be wholly liable to make good to BHEL any loss due to risk purchase / service including additional handling charges due to the change.

18. Shortages: In the event of shortage on receipt of goods and/or on opening of packages at site, all such shortages shall be made good within a reasonable time that BHEL may allow from such intimation and free of cost.

<u>Transit Damages:</u> In the event of receipt of goods in damaged condition or having found them so upon opening of packages at site, Supplier shall make good of all such damages within a reasonable time from such intimation by BHEL.

- 19. Remedial work: Notwithstanding any previous test or certification, BHEL may instruct the vendor to remove and replace materials/goods or remove and re-execute works/services which are not in accordance with the purchase order. Similarly BHEL may ask the vendor to supply materials or to execute any services which are urgently required for any safety reasons, whether arising out of or because of an accident, unforeseeable event or otherwise. In such an event, Vendor shall provide such services within a reasonable time as specified by BHEL.
- 20. <u>Indemnity Clause</u>: Vendor shall comply with all applicable safety regulations and take care for the safety of all persons involved. Vendor is fully responsible for the safety of its personnel or that of his subcontractor's men / property, during execution of the Purchase Order and related services. All statutory payments including PF, ESI or other related charges have to be borne by the vendor. Vendor is fully responsible for ensuring that all legal compliances are followed in course of such employment.
- 21. Product Information, Drawings and Documents: Drawings, technical documents or other technical information received by Vendor from BHEL or vice versa shall not, without the consent of the other party, be used for any other purpose than that for which they were provided. They may not, without the consent of the Disclosing party, otherwise be used or copied, reproduced, transmitted or communicated to third parties. All information and data contained in general product documentation, whether in electronic or any other form, are binding only to the extent that they are by reference expressly included in the contract. Vendor, as per agreed date/s but not later than the date of delivery, provide free of charge information and drawings which are necessary to permit and enable BHEL to erect, commission, operate and maintain the product. Such information and drawings shall be supplied in as many numbers of copies as may be agreed upon.

All intellectual properties, including designs, drawings and product information etc. exchanged during the formation and execution of the Contract shall continue to be the property of the disclosing party.

22. <u>Intellectual Property Rights, Licenses:</u> If any Patent, design, Trade mark or any other intellectual property rights apply to the delivery (goods / related service) or accompanying documentation shall be the exclusive

property of the Vendor and BHEL shall be entitled to the legal use thereof free of charge by means of a non-exclusive, worldwide, perpetual license. All intellectual property rights that arise during the execution of the Purchase Order/ contract for delivery by vendor and/or by its employees or third parties involved by the vendor for performance of the agreement shall belong to BHEL. Vendor shall perform everything necessary to obtain or establish the above mentioned rights. The Vendor guarantees that the delivery does not infringe on any of the intellectual property rights of third parties. The Vendor shall do everything necessary to obtain or establish the alternate acceptable arrangement pending resolution of any (alleged) claims by third parties. The Vendor shall indemnify BHEL against any (alleged) claims by third parties in this regard and shall reimburse BHEL for any damages suffered as a result thereof.

23. <u>Force Majeure:</u> Notwithstanding anything contained in the purchase order or any other document relevant thereto, neither party shall be liable for any failure or delay in performance to the extent said failures or delays are caused by the "Act of God" and occurring without its fault or negligence, provided that, force majeure will apply only if the failure to perform could not be avoided by the exercise of due care and vendor doing everything reasonably possible to resume its performance.

A party affected by an event of force majeure which may include fire, tempest, floods, earthquake, riot, war, damage by aircraft etc., shall give the other party written notice, with full details as soon as possible and in any event not later than seven (7) calendar days of the occurrence of the cause relied upon. If force majeure applies, dates by which performance obligations are scheduled to be met will be extended for a period of time equal to the time lost due to any delay so caused.

Notwithstanding above provisions, in an event of Force Majeure, BHEL reserves for itself the right to cancel the order/ contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements for completion of deliveries and other schedules.

- 24. Guarantee / Warranty: Wherever required, and so provided in the specifications / Purchaser Order, the Seller shall guarantee that the stores supplied shall comply with the specifications laid down, for materials, workmanship and performance. The guarantee / warranty period as described shall apply afresh to replaced, repaired or re-executed parts of a delivery. If the vendor fails to take proper corrective action to repair/replace defects satisfactorily within a reasonable period, Purchaser shall be free to take corrective action as may be deemed necessary at vendor's risk and cost after giving notice to the vendor, including arranging supply of goods from elsewhere at the sole risk and cost of the vendor. Unless otherwise specifically provided in the Purchase Order, Vendor's liability shall be co terminus with the expiration of the applicable guarantee / warranty period.
- 25. <u>Limitation of Liability:</u> Vendor's liability towards this contract is limited to a maximum of 100% of the contract value and consequential damages are excluded. However the limits of liability will have no effect in cases of criminal negligence or wilful misconduct.
 - The total liability of Vendor for all claims arising out of or relating to the performance or breach of the Contract or use of any Products or Services or any order shall not exceed the total Contract price.
- 26. Liability during guarantee / warranty: Vendor shall arrange replacement / repair of all the defective materials / services under its obligation under the guarantee / warranty period. The rejected goods shall be taken away by vendor and replaced / repaired. In the event of the vendor's failure to comply, BHEL may take appropriate action including disposal of rejections and replenishment by any other sources at the cost and risk of the vendor.
 - In case, defects attributable to vendor are detected during first time commissioning or use, vendor shall be responsible for replacement / repair of the goods as required by BHEL at vendor's cost. In all such cases expiry of guarantee / warranty will not be applicable.
- 27. <u>Liability after guarantee / warranty period:</u> At the end of the guarantee / warranty, the Vendor's liability ceases except for latent defects (latent defects are defects / performance issues notices after the guarantee / warranty has expired). The Contractor's liability for latent defects warranty for the plant and equipment including spares shall be limited to a period of six months from the end of the guarantee / as specified in RFQ.

- 28. <u>Compliance with Laws:</u> Vendor shall, in performing the contract, comply with all applicable laws. The vendor shall make all remittances, give all notices, pay all taxes, duties and fees, and obtain all permits, licences and approvals, as required by the laws in relation to the execution and completion of the contract and for remedying of any defects; and the Contractor shall indemnify and hold BHEL harmless against and from the consequences of any failure to do so.
- 29. <u>Settlement of Disputes:</u> Except as otherwise specifically provided in the Purchase Order, decision of BHEL shall be binding on the vendor with respect to all questions relating to the interpretation or meaning of the terms and conditions and instructions herein before mentioned and as to the completion of supplies/work/services, other questions, claim, right, matter or things whatsoever in any way arising out of or relating to the contract, instructions, orders or these conditions or otherwise concerning the supply or the execution or failure to execute the order, whether arising during the schedule of supply/work or after the completion or abandonment thereof. Any disputes or differences among the parties shall to the extent possible be settled amicably between the parties thereto, failing which the disputed issues shall be settled through arbitration. Vendor shall continue to perform the contract, pending settlement of dispute(s).
- 30. Arbitration Clause: In case amicable settlement is not reached in the event of any dispute or difference arising out of the execution of the Contract or the respective rights and liabilities of the parties or in relation to interpretation of any provision in any manner touching upon the Contract, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred by either party to the sole arbitration of an Arbitrator appointed by the Executive Director/ General Manager of the purchasing unit/ region/ division of BHEL. Vendor shall have no objection even if the Arbitrator so appointed is an employee of BHEL or has ever dealt/ had to deal with any matter relating to this Contract. Subject as aforesaid the provisions of the Arbitration and Conciliation Act, 1996 of India or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. It is a term of contract that the party initiating arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute. The venue for the arbitration shall be Bangalore, India. The award of the arbitrator shall be a speaking award and shall be final, conclusive and binding on all parties to this contract.

The cost of arbitration shall be borne equally by the parties. Notwithstanding the existence of any dispute or difference or any reference for the arbitration, the vendor shall proceed with and continue without hindrance the performance of the work under the contract with due diligence and expedition in a professional manner.

- 31. <u>Applicable Laws and Jurisdiction of Courts:</u> Prevailing Indian laws both substantive and procedural, including modifications thereto, shall govern the Contract. Subject to the conditions as aforesaid, the competent courts in BANGALORE alone shall have jurisdiction to consider over any matters touching upon this contract.
- 32. <u>General Terms:</u> That any non-exercise, forbearance or omission of any of the powers conferred on BHEL and /or any of its authorities will not in any manner constitute waiver of the conditions hereto contained in these presents.

That the headings used in this agreement are for convenience of reference only.

That all notices etc., to be given under the Purchase order shall be in writing, type script or printed and if sent by registered post or by courier service to the address given in this document shall be deemed to have been served on the date when in the ordinary course, they would have been delivered to the addressee.

ANNEXURE - I LIST OF INTERNATIONAL GATEWAY AIRPORTS

SCHEDULE NO	COUNTRY	CURRENCY CODE	AIRPORT
D01	UK	GBP	LONDON (HEATHROW)
D02	UK	GBP	NEW CASTLE
D03	UK	GBP	OXFORD. CHETLAM
D04	UK	GBP	BRISTOL. WELLINGBOROUGH
D05	UK	GBP	BIRMINGHAM
DO6	UK	GBP	EAST MIDLANDS
D07	UK	GBP	MANCHESTER
D08	UK	GBP	LEEDS
D09	UK	GBP	GLASGOW
D10	FRANCE	EURO	PARIS (ROISSY) & LYON
D11	SWEDEN	EURO	STOCKHOLM
D12	SWEDEN	EURO	GOTHENBERG & MALMO
D13	ITALY	EURO	ROMA, MILAN
D14	ITALY	EURO	TURIN, BOLOGNA, FLORENCE
D15	NETHERLANDS	EURO	AMSTERDAM, ROTTERDAM
D16	AUSTRIA	EURO	VIENNA, LINZ, GRAZ
D17	BELGIUM	EURO	ANTWERP, BRUSSELS
D18	DENMARK	DKK	COPENHAGEN
D19	JAPAN	JPY	TOKYO, OSAKA
D20	SINGAPORE	SGD	SINGAPORE
D21	CANADA	CAD	TORONTO
D22	CANADA	CAD	MONTREAL
D23	USA	USD	NEW YORK, BOSTON
D24	USA	USD	CHICAGO
D25	USA	USD	SAN FRANCISCO, LOS ANGELES
D26	USA	USD	ALANTA, HOUSTON
D20	USA	030	-
D27	GERMANY	EURO	MUNICH, KOLN, DUSSELDORF, HANNOVER, HAMBURG,
			STUTTGART, DAMSTADT, MANIHIEM, NURUMBERG
D28	GERMANY	EURO	FRANKFURT
D29	GERMANY	EURO	BERLIN
D30	SWITZERLAND	SFR	BASLE, ZURICH, GENEVA
D31	SPAIN	EURO	BARCELONA
D32	AUSTRALIA	AUD	SYDNEY
D33	AUSTRALIA	AUD	MELBOURNE
D34	AUSTRALIA	AUD	PERTH
D35	CZECH	EURO	PRAGUE
D36	HONG KONG	HKD	HONG KONG
D37	NEW ZELAND	NZD	AUCKLAND
D38	RUSSIA	USD	MOSCOW
D39	SOUTH KOREA	USD	KIMPO INTERNATIONAL, INCHEON
D40	FINLAND	EURO	HELSINKI
D41	ROMANIA	EURO	BUCHAREST
D42	NORWAY	EURO	OSLO
D43	IRELAND	EURO	DUBLIN
D44	ISRAEL	USD	TEL AVIV
D45	UAE	USD	DUBAI
D46	OMAN	USD	MUSCAT
D47	EGYPT	USD	CAIRO
D48	TAIWAN	USD	TAIPEI
D49	UKRAINE	USD	KIEV
D50	CHINA	USD	SHANGHAI, SHENZHEN
D51	PHILIPINES	USD	MANILA
D52	MALAYSIA	USD	KUALALUMPUR, PE NANG
D53	CYPRUS	USD	LARNACA
D54	SOUTH AFRICA	USD	JOHANNESBERG, DURBAN
	SLOVAKIA	EURO	BARTISLOVA
D55			
D55 D56	SAUDI ARABIA	SAR	RIYADH
D56	SAUDI ARABIA TURKEY		
		EURO USD	ISTANBUL BANGKOK

ANNEXURE - II REQUEST FOR C FORM

NAME OF VENDOR:

VENDOR CODE ALLOTED BY BHEL:

E mail id for c form correspondence:

ſ	BHEL	INVOICE	INVOICE	INVOICE	SUPPLY	SUPPLY	CST TIN	INVOICE	C FORM	YEAR	SUPPLY
	PO NO	NO	DATE	AMOUNT	FROM -	TO -	NUMBER	AMOUNT	QTR		TO BHEL
					STATE	STATE	(SUPPLIER	EXCLUDING	-		EDN / SITE
)	FREIGHT			·
							,				

Please note that one 'C' form will be issued for a quarter.

Any modification and cancellation of c form is not possible from our end since it is generated online therefore include all invoices pertaining to quarter in your request Also check the data are correct in all respect

General Instruction:

- 1. C form request should be given only in this file.
- $2.\ Amount\ should\ be\ 100\%$ of Invoice value but should Not include freight, Insurance etc.
- 3. PO No. should be numeric, starting with 4 and has 10 digits
- 4. For every quarter separate file to be provided
- 5. All Invoices pertaining to the relevant quarter to be included.
- 6. No corrections will be entertained once c-form is issued.

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:
Date:
To NAME & ADDRESSES OF THE BENEFICIARY
Dear Sirs, In consideration of <u>Bharat Heavy Electricals Limited</u> (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at
we, $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$, (hereinafter referred to as the Bank), having registered/Head office at $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$. and inter alia a branch at $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount of Rs
We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the <u>Vendor / Contractor / Supplier</u> in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.
The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the <u>Vendor / Contractor / Supplier</u> shall have no claim against us for making such payment.
We the $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract/satisfactory completion of the performance guarantee period as per the terms of the Contract and that it shall continue to be enforceable till

all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We õ õ õ õ õ o ...BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor / Contractor / Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor / Contractor / Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor / Contractor / Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor / Contractor / Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the <u>Vendor / Contractor / Supplier</u> and notwithstanding any security or other guarantee that the Employer may have in relation to the <u>Vendor / Contractor / Supplier</u> 's liabilities.

This Guarantee shall remain in force upto and including $\tilde{0}$ \tilde

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the <u>Vendor / Contractor / Supplier</u> but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0}$ $\~{0$

We, $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

a) The liability of the Bank under this Guarantee shall not exceed $\tilde{0}$ $\tilde{0}$

Notwithstanding anything to the contrary contained hereinabove:

-	·
b)	This Guarantee shall be valid up to $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$ $\tilde{0}$
c)	Unless the Bank is served a written claim or demand on or before8 all rights under this
	guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this
	guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, ______ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of (Name of the Bank)

Datedõ õ õ õ õ õ .

Place of Issueõ õ õ õ õ õ .

- ¹ NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited
- ² NAME AND ADDRESS OF THE VENDOR/CONTRACTOR/SUPPLIER.
- ³ DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE
- ⁴ CONTRACT VALUE
- ⁵ PROJECT/SUPPLY DETAILS
- ⁶ BG AMOUNT IN FIGURES AND WORDS
- ⁷ VALIDITY DATE
- ⁸ DATE OF EXPIRY OF CLAIM PERIOD

ANNEXURE - IV

Electronic Funds Transfer (EFT) OR Paylink Direct Credit Form

Please Fill up the form in CAPITAI TYPE OF REQUEST(Tick one):			_ CHANGE	
BHEL Vendor / Supplier Code:			7	
Company Name :	1			
Permanent Account Number(PAN) Address	:			
City:	PINCODE		STATE	
Contact Bonon(s)				
Contact Person(s) Telephone No:			T	
Fax No:			1	
e-mail id:			1	
1 Bank Name: 2 Bank Address:				
3 Bank Telephone No:				
4 Bank Account No:				_
5 Account Type: Savings/Cash Cred	it			
6 9 Digit Code Number of Bank and				
appearing on MICR cheque issued				
7 Bank swift Code(applicable for EF				
8 Bank IFSC code(applicable for RT 9 Bank IFSC code(applicable for NE				
9 Bank if SC code(applicable for NL	11)			
I hereby certify that the particulars that I, as a representative for the a Bangalore to electronically deposit If the transaction is delayed or not information, I would not hold BHEL This authority remains in full force requesting a change or cancellation I have read the contents of the covexpected of me as a participant un	bove named Co payments to the effected at all fo . / transfering Ba until BHEL, EDI n. ering letter and	ompany, herebe e designated be or reasons of i ank responsible N,Bangalore re agree to discl	oy authorise E pank account ncomplete or le. eceives writte	BHEL, EDN, incorrect en notification
Date:				
Authorised Signatory:				
Designation:			Telephone I	NO. with STD Code
Company Seal				
We certify that	Bank Certi			with us and
we confirm that the bank details give				with us and
we definitify that the barn details give	ren above are e	orreor do per	our rooorus.	
Date: Place:) Signature
Please return completed form alon Bharath Heavy Electricals Ltd, Attn:		ancelled cheq	ue or photoc	opy thereof to:
Electronics Division, Mysore Road, BANGALORE - 560 026	•			
In case of any Querry, please call :	080-26998xxx	/ 2674xxxx or	fax no. 080-	2674xxxx

В С

D

ANNEXURE-V BHEL MEMBER BANKS (LIST OF CONSORTIUM BANKS)

BANK GUARANTEE (BG) SHALL BE ISSUED FROM THE FOLLOWING BANKS ONLY:

	Nationalised Banks		Nationalised Banks
1	Allahabad Bank	19	Vijaya Bank
2	Andhra Bank		Public Sector Banks
3	Bank of Baroda	20	IDBI
4	Canara Bank		Foreign Banks
5	Corporation Bank	21	CITI Bank N.A
6	Central Bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Ltd. (HSBC)
8	Indian Overseas Bank	24	Standard Chartered Bank
9	Oriental Bank of Commerce		
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		Private Banks
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC Bank
15	State Bank of Travancore	30	Kotak Mahindra Bank Ltd
16	UCO Bank	31	ICICI Bank
17	Union Bank of India	32	IndusInd Bank
18	United Bank of India	33	Yes Bank

Note:

- All BGs must be issued from BHEL consortium banks listed above.
- BHEL may accept BG from other Nationalised Banks also which are not listed above.
- BG will not be accepted from Scheduled Banks and Co-operative Banks.
- In case BG is issued from a bank located outside Indian territory and is issued in foreign currency, the BG must be routed through and confirmed by any one of the above mentioned consortium banks or any of the Indian Public Sector Banks.
- This list is subject to changes. Hence vendors are requested to check this list every time before issuing BGs.

ANNEXURE - VI

DISCREPANCY IN WORDS & FIGURES - QUOTED IN PRICE BID

Following guidelines will be followed in case of discrepancy in words & figures-quoted in price bid:

- (a) If, in the price structure quoted for the required goods/services/works, there is discrepancybetween the unit price and the total price (which is obtained by multiplying the unit price by thequantity), the unit price shall prevail and the total price corrected accordingly, unless in theopinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.

ANNEXURE - VII

BENEFITS FOR MSE SUPPLIERS AS PER MSMED ACT 2006 AND PUBLIC PROCUREMENT POLICY 2012

MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of Acknowledgement in EM II).

Or

Valid NSIC certificate or EM II certificate along with attested copy of CA certificate (Format enclosed: ANNEXURE VIII) where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited).

Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid).

Non-submission of such documents will lead to consideration of their bid at par with other bidders.

No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazette officer.

ANNEXURE - VIII CERTIFICATE BY CHARTERED ACCOUNTANT ON LETTER HEAD

This is to certify that M/s
ts registered office at
Further verified from the Books of Accounts that the investment of the company as per the atest audited financial year
2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006: RsLacs.
The above investment of Rs Lacs in within permissible limit of Rs
(or)
The company has been graduated from its original category (Micro/Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is(dd/mm/yy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O.No.3322(E) dated 01.11.2013 published in the gazett notification dated 04.11.2013 by Ministry of MSME.
Date: (Signature) Name - Membership Number -
Seal of Chartered Accountant

ANNEXURE - IX

In case of intrastate movement i.e. supply within same state and VAT is applicable, the vendor shall furnish the respective BHEL™s nodal agency TIN no. and address in their invoice.

List of Statewise Nodal Officers with Contact Details

		<u> </u>		i Officers with Co	oniact Dotano	
Region	State	Nodal Unit responsible for all other units except those in column 4	Contact Details- Landline No.	E-mail TIN No.		CST No.
1 2		3		7	8	9
	Jammu & Kashmir	PSNR			01291101313	
	Himachal Pradesh	PSNR			02011000622	
S	Punjab	PSNR	0120- 2510488/2416452	rahulb@bhelpsnr.co.in / a.chadha@bhelpsnr.co.in	03451148722	
State	Haryana	PSNR			06962606884	
Norther States	Rajasthan	PSNR			08232903345	
Nor	Uttar Pradesh	PSNR	0120-2416536	rahulb@bhelpsnr.co.in / smittal@bhelpsnr.co.in	09365800914	
	Uttarakhand	Hardwar	01334-285449	alok@bhelhwr.co.in	05001757277 Dated 30th Sep 2005	5000030 Dated 13/03/1965
	Delhi	TBG	0120-6748429	skjindal@bhel.in	07472001760	07472001760
S	Madhya Pradesh	Bhopal	0755-2503231	meeta@bhelbpl.co.in	23573600001 (HEL/05/01/0001/S dated 15/11/1979 under MPCT)	HEL/05/01/0004/C dated 15/11/1979
Western States	Chattisgarh	PSWR	0712-3048609	mgupta@bhelpswr.co.in	22173202974	
stern	Gujarat	PSWR	0265-2370321	bhavin@bhelpswr.co.in	24190101571	
Wes	Maharashtra	ROD Mumbai	022- 22126061/22187850	mahajani@bhel.in	27060300130V	27060300130C
	Daman & Diu	EDN	080-26998724 / 26998830	theerthagiri@bheledn.co.in	25000009902	
	Orissa	PSSR	044-28286773	sparida@bhelpssr.co.in , lakshmi@bhelpssr.co.in	21031301916	
ates	Tamil Nadu	Trichy	0431-2577757/ 2577229	msrao@bheltry.co.in /bharaths@bheltry.co.in	33243560005	239383 dt.11.6.91
rn Sta	Kerala	PSSR	044-28286773	lakshmi@bhelpssr.co.in	32072043622	
Southern States	Karnataka	EDN	080-26998724 / 26998830	theerthagiri@bheledn.co.in	29180069268	00850081
Š	Telangana	HPEP RC, Puram	040-23185406/ 040-23182238	chand@bhelhyd.co.in sbsv@bhelhyd.co.in	36360151179	
	Andhra Pradesh	HPVP, Vizag	0891-6681298	sarmaass@bhpvl.com	37418632431	
	Puducherry	PSSR				I
	Wast Dawn	Desa	022 22246400 0000	it	4020000040	4020000040
	West Bengal		033-23216130-3238	amitavac@bhelpser.co.in	19200936019	19200936213
Eastern States	Bihar Jharkhand	PSER	0612-2231275 06549-266351(Sh. Parmanand Swaroop)/06534- 292179 (Sh. K.K. Ajeet)	rakesh@bhelpser.co.in pswaroop@bhelpser.co.in (Bokaro) kk.ajit@bhelpser.co.in (Koderma/Abhijeet/North Karanpura) manishk.jain@bhelpser.co.in (Chandrapura)/kpsubbu@bhelp ser.co.in kpsubbu@bhelpser.co.in	10010994046 20352205642 (Bokaro) 20082005255 (Maithon) 20512405410 (Koderma) 20122200394 (Chandrapura) 20620905730(Adhunik) 20650507026(Abhijeet) 20452110016 (North Karanpura)	TG-729(C)
	Mizoram	PSER	033-23216130-3249	anindya@bhelpser.co.in	15501465017	
	Arunachal Pradesh	PSER	033-23216130-3249	anindya@bhelpser.co.in	12020122182	Not Applied
	Assam	PSER	033-23216130-3249	anindya@bhelpser.co.in	18790101415	18179903204
	Tripura	PSER	03821-265209	mkmahato@bhelpser.co.in	16060947071	16060947273
	Sikkim	PSER			<u> </u>	
	Meghalaya	PSER				
	Manipur	PSER				
	Nagaland	PSER				