Bharat Heavy Electricals Ltd.,

(A Government of India undertaking)

Electronics Division

PB No.2606, Mysore Road, Bangalore-560026, India

E-Tender

Quotations are invited under two part bid system for procurement of MMS-Super Structure for 50 MWp Solar PV power plant at for SCCL Ramagundam, Telangana.

Tender is procured through e-procurement route. Kindly refer website https://bhel.abcprocure.com/EPROC/ for details.

RFQ NO and date	AKPBOS0008 dated 06.12.2019
RFQ due date & time	13.12.2019 up to 13.00 hrs (IST)
Date, Time & Venue of Part-I Bid Opening	13.12.2019 up to 13.30 hrs (IST)
Date, Time & Venue of Price Bid opening	Will be intimated later for technically accepted vendors
Address for Communication & Contact Person in BHEL	Mr. Srinivas Anakapalli(09916999898)/ Mr. Ponnuguru (0 9449869617), SC&PV MM Department, BHEL Electronics Division, PB NO 2606, Mysore road, Bangalore-560 026. INDIA Email: srinivasa.a@bhel.in , ponnuguru@bhel.in Telephone number: +91 80 26998824, +91 80 26998669
Name and address of the Independent External Monitor for this tender	Sh Virendra Bahadur Singh, IPS (Retd.) and Sh. Arun Chandra Verma, IPS (Retd.) For Tender Control Nos.: TPED19200072

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.

REQUEST FOR QUOTATION

MMI:PU:RF:003

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

RFQ NUMBER: AKPBOS0008

RFQ DATE : 06.12.2019

Due Date/Day: 13.12.2019 FRI
Time : 13:00 HRS

(address for communication) :

(for all correspondence)
Purchase Executive : SRINIVAS ANAKAPALL
Phone : 080 26998824
Fax :
E-mail: srinivasa.a@bhel.in

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	PS0679079025 SCCL MMS Super Structure * HSN/SAC : 7308 Test Certificate As per BHEL spec PS-439-1242	1,070	TO	1,070	29.01.2020

Total Number of Items - 1

1.
2.

TWO PART BID

NOTES:

1. This RFQ is governed by:

a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available as part of NIT.
b) Any other specific Terms and Conditions mentioned.

* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

SRINIVAS ANAKAPALL
Semiconductors & Pho

PREQUALIFICATION CRITERIA FOR TENDER REF: AKPBOS0008

1. For Fabrication capacity:

Bidder to be a manufacturer and to have in-house cold roll forming facility with minimum capacity of 400MT per month for any profiles all put together. Vendor to provide the capacity proof for any 2 months within the past three years i.e. Dec '16 – Dec '19 showing minimum 400MT each month.

Or

Minimum capacity of 500MT for any 1 month within the past three years Dec '16 – Dec'19.

Calendar months only to be considered for evaluation.

To substantiate above, required documents like delivery challan or tax invoice or relevant documents to be furnished.

Or

**Chartered engineer certificate certifying minimum capacity of the 400MT per month for fabrication. This certificate should have been issued not earlier than 6 months from the date of tender opening date.

** Only those vendors are eligible to submit Chartered Engineer Certificate, whose companies are formed not earlier than 1 year from the date of Tender Opening or they have set up a new cold forming line not earlier than six months from the date of tender opening.

2. For Hot Dip Galvanization facility (HDG):

a.) Either the bidder to have in-house galvanization facility.

Or

b.) Has HDG facility in one of its subsidiary company/sister concern company

Or

c.) Has a tie up with another company for HDG Works.

For Sl. No b.) and c.) Proper documentation (Stamp paper) to be provided. Once a tie-up is declared during tendering time for HDG works, this tie-up cannot be changed during execution of purchase order.

BHEL reserves the right to visit the vendor's , subsidiary vendor or vendor with whom tie-up is established works and demand all relevant certifications and if found unacceptable, offer is liable for rejection.

3. Solvency :

Vendors shall furnish the solvency certificate issued by nationalized/scheduled banks for minimum worth of Rupees Two (2) crores, with date of issue not before 6 months from tender opening date.

BHEL reserves the right to ask any other relevant documents to substantiate the above.

Quantity distribution for RFQ AKPBOS0008 for MMS-Super Structure for 50 MWp Solar PV power plant at for SCCL Ramagundam, Telangana.

Total quantity 1070 Tonnes to be split into 2 vendors as detailed below:

Splitting as below (Quantity in Tonnes) :

Total	L-1(60%)	L-2(40%)
1070	642	428

The Order Quantity Share of 60% :40% will be procured from two vendors at L1 matched price. L1 will be offered 60% of total quantity. 40% will be offered to L2 at L1 matched price. If L2 does not accept L1 price, the same offer will be made to L3, L4, L5, so on. If none of the vendors agree to match L1 rate, then balance quantity may be offered to L-1 vendor or BHEL may go for retendering.

Any changes in splitting ratio based on the MSE act /Make in India policy or due to any other reason, intimation will be given only to the vendors who have participated in this tender, hence it is mandatory that vendors should participate in the tender.

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Technical Specification for Supply of MMS-Super Structure for 129MW Solar PV power plant for SCCL.

Revision details :R 00	Prepared	Approved	Date
	NY	PM	12.02.2019

Acronym Used:

1. MTC = Mill test Certificate.
2. MQP= Material quality plan.
3. OEM=Original Equipment manufacturer.
4. MMS = Module Mounting Structures.
5. PSI= Pre shipment inspection.

1.0 Introduction

Bharat Heavy Electricals Limited (BHEL), Electronics Division, Bangalore is setting up 129MW Grid-connected SPV Power Plant for SCCL. This document describes the technical specification for Super Structure of Module Mounting Structures (MMS) that constitute the solar array of the plant. MMS are steel structures over which solar PV modules are mounted. The total approx. Steel supply for this tender is 1070MT . This 129MW SPV Plant is located at four different sites in Telangana.

2.0 Vendor scope of supply

#	Item description	Qty	Fabrication Details
1	Supply of Super Structure for Module mounting structure as per Bill of Material & BHEL GA Drawing.	As per Supply BOM	As per fabrication drawings.

4.0 Enclosures to this tender

1. Bill of Material**.**
2. BHEL Drawing
3. Typical sample MQP for reference purpose.

5.0 Sub-vendors of steel sheets

Vendor shall procure the raw materials (steel sheets) from OEM sub-vendors viz TISCO, SAIL, JINDAL, RINL. In case of any sub-vendors other than the above, vendor to request the alternate sub vendor, however BHEL reserves the right to approve or disapprove the same.

6.0 Fabrication

Fabrication of Super Structure for MMS to be as per the drawing furnished by BHEL-EDN with the purchase order.

No claim related to fabrication issues shall be entertained after placement of purchase order.

7.0 Galvanization

The MMS structure shall be hot dip galvanized with minimum GSM 610 kg/ sqm and/or minimum coating thickness of 80 microns for protection against corrosion. Galvanization shall conform to IS-2629, 4759 & 4736 as applicable.

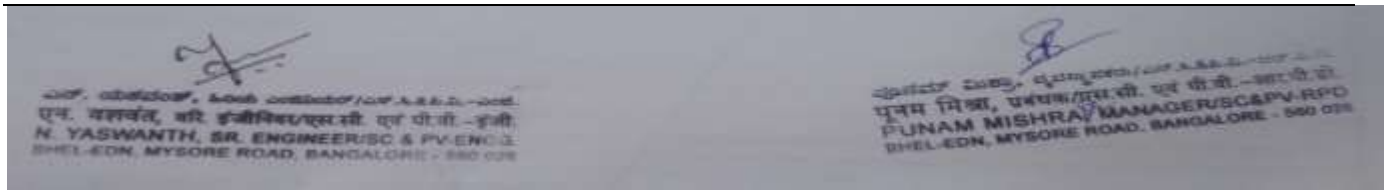
No averaging is allowed for measuring the thickness of galvanization. Galvanization shall be measured with elcometer or the material can be sent to NABL for testing the mechanical and chemical properties and the galvanization thickness as and when required.

7.0 Manufacturing Quality Plan (MQP)

A typical sample of MQP for the MMS-Super Structure is enclosed. Inspection reports to be made with respect to the same.

8.0 Prototype Inspection

A prototype MMS structure of 1 MMS Table has to be made and inspected by BHEL-EDN personnel. Although the supply of MMS-Columns is not in the scope of the vendor, still the vendor has to fabricate columns as per the GA Drawing provided upto ground level only. A completed prototype of 1 –MMS



Tables (Above ground) has to be fabricated and offered for inspection. The inspection shall be carried out at pre-galvanized assembled stage and post galvanized assembled stage. The prototype will be inspected with all MMS members including fasteners and 2 nos of PV Module frame. The weight of this 1-MMS-Table Prototype will be approx.-500kgs. The PV Module frame drawing will be supplied by BHEL –EDN and Vendor to make 3 complete PV Module frames using angles or with available members .As the prototype is done for dimensional check so the material strength of MMS members and fasteners need not be as per BOM but the dimensions to be exactly as per fabrication drawings. Mass fabrication of Super Structure to commence from the date of prototype clearance only.

Vendor has to bear the total cost for making the prototype ready as per BHEL Drawings.

9.0 Test reports

Every PSI Call should accompany the following reports.

1. MTC.
2. Internal inspection report (Dimensional + galvanization thickness) as per instruction specified in BHEL MQP and BHEL Drawing.
3. Photographs of the offered lot.
4. BHEL- EDN will go through the reports and depute personnel for PSI.
5. PSI to be by BHEL/TPI

10.0 Packing instructions

The MMS components shall be packed in bundles with steel straps with corner wedges of plastic/fibre /rubber material to prevent damage to surface during handling. Adequate no. of steel straps shall be provided depending upon the length of the MMS components and bundles shall be in lots of 50 no.s/100 no.s for easy handling and accounting.

11.0 Marking Instructions:

All MMS-Super structure members shall be marked for part identification on 100% basis. As super structure members are being supplied by multiple vendors hence each vendor has to mark his vendor initial on each piece.

Vendor to indicate the initial which he will mark along with the Technical specification to BHEL for approval as multiple vendors should not have same initial.

12.0 Delivery Schedule:

1. Vendor to offer the prototype of 1-MMS Table within 10 days of BHEL providing the complete drawings.

Annexure for GA Drg

BOM FOR 1 MMS TABLE OF 40-PV MODULES

1. REFER FABRICATION DRAWINGS FOR MEMBER DETAILS.

SCCL-Ramagundam-Risun Module

Mark No	Item Description (Dimensions in mm)	Grade	Galvanization	Lip	Nos.	Length/Are a	CS Area	Unit Wt	Total wt - Ungalvanized (Approx)	Total wt - galvanized(Approx)	Wt of 1 Pc	Nos to be supplied For MMS Tables 2018	Tonnage
	COLD FORMED SECTION			mm		mm/mm²	cm2	kg/m OR kg/m²	kg	kg	Galvanized		kg
	Rafter		**Hot dip galvanized with minimum 610g/sqm and/or minimum coating thickness of 80 microns for protection against corrosion. Galvanization shall conform to IS-2629,4759&4736 as applicable.**										
RF1-R	165CS50X2.5	E350		15	7	3216	6.865	5.39	121.32	129.81	18.54	14126	261956.52
	Purlin												
PU1-R	80CS50X2.0	E350		15	4	4718	3.903	3.06	57.82	61.87	15.47	8072	124850.73
PU2-R	80CS50X2.0	E350		15	4	5536	3.903	3.06	67.85	72.60	18.15	8072	146497.17
PU3-R	80CS50X2.0	E350		15	4	5096	3.903	3.06	62.45	66.83	16.71	8072	134853.60
PU4-R	80CS50X2.0	E350		15	4	4718	3.903	3.06	57.82	61.87	15.47	8072	124850.73
	Strut Bracing												
BR1-R	70CU40X2	E350			7	1712	2.83	2.22	26.62	28.49	4.07	14126	57486.10
BR1A-R	50CU50x2.0	E350			4	3197	2.83	2.22	28.41	30.40	7.60	8072	61342.81
Purlin-Splice-R	87CU45X2.5	E350			12	185	4.175	3.28	7.28	7.79	0.65	24216	15710.28
	HOT ROLLED SECTION												
	Plates												
PL2-R	Rafter Plate (235x100x5)	E250			7	235	5	3.93	6.46	6.91	0.99	14126	13941.53
PL3-R	Column Plate (243x200x6)	E250			7	243	12	9.42	16.02	17.15	2.45	14126	34598.73
PL5-R	Purlin Cleat(75LU50X3)	E250			28	50	3.4	2.67	3.74	4.00	0.14	56504	8068.29
	Rod												
SG1-R	30LU30X2.0	E350			4	1641	1.11	0.87	5.72	6.12	1.53	8072	12349.98
SG2-R	30LU30X2.0	E350			12	1150	1.11	0.87	12.02	12.87	1.07	24216	25964.30
SG3-R	30LU30X2.0	E350			6	926	1.11	0.87	4.84	5.18	0.86	12108	10453.45
									Supply weight in Kgs				**1032924.22**

Total Supply Weight-Super Structure is 1032.924MT

Supply of Earthing Strip to be in standard lengths for-SCCL Project-Ramagundam

Item Description (Dimensions in mm)	Grade / Yield Strength	Galvanization		Nos.	Total length fo	CS Area of S	Unit Wt	Total wt - galvanized (Approx)
Earthing Strip					mm	cm2	kg	kgs
25x3	250Mpa	As per IS 4759		1	5512500	0.75	0.58875	3505.123
25x6	250Mpa			1	22050000	1.5	1.1775	28040.985
65x8	250Mpa			1	1243620	5.2	4.082	5482.573
Total Supply weight for Earthing Strip								37028.682

Total Supply weight for Super Structure and Earthing Strip = 1070 MT

DEVELOPMENT OF 129 MW AC SOLAR PHOTOVOLTAIC PLANT -AT SCCL,Telangana

TITLE OF THE DRAWING:	**Module Mounting Structure - Fabrication Drawing**
DOCUMENT NO:	**BHEL-SECI-SD-SCCL50-DWG-CIV-012**

SL.NO	CONTENTS
1	Final set of MMS Fabrication drawing post Prototype Inspection.

REV NO.	DATE	STATUS	PREPARED BY	CHECKED BY	APPROVED BY
1	31.07.19	FOR APPROVAL	N YASWANTH	PUNAM MISHRA	M. SREENATH
0	27.05.19	FOR APPROVAL	INITIALS	INITIALS	INITIALS

PROJECT:		
DEVELOPMENT OF 129 MW AC SOLAR PHOTOVOLTAIC PLANT -AT SCCL,Telangana	31.07.19	PAGE 1

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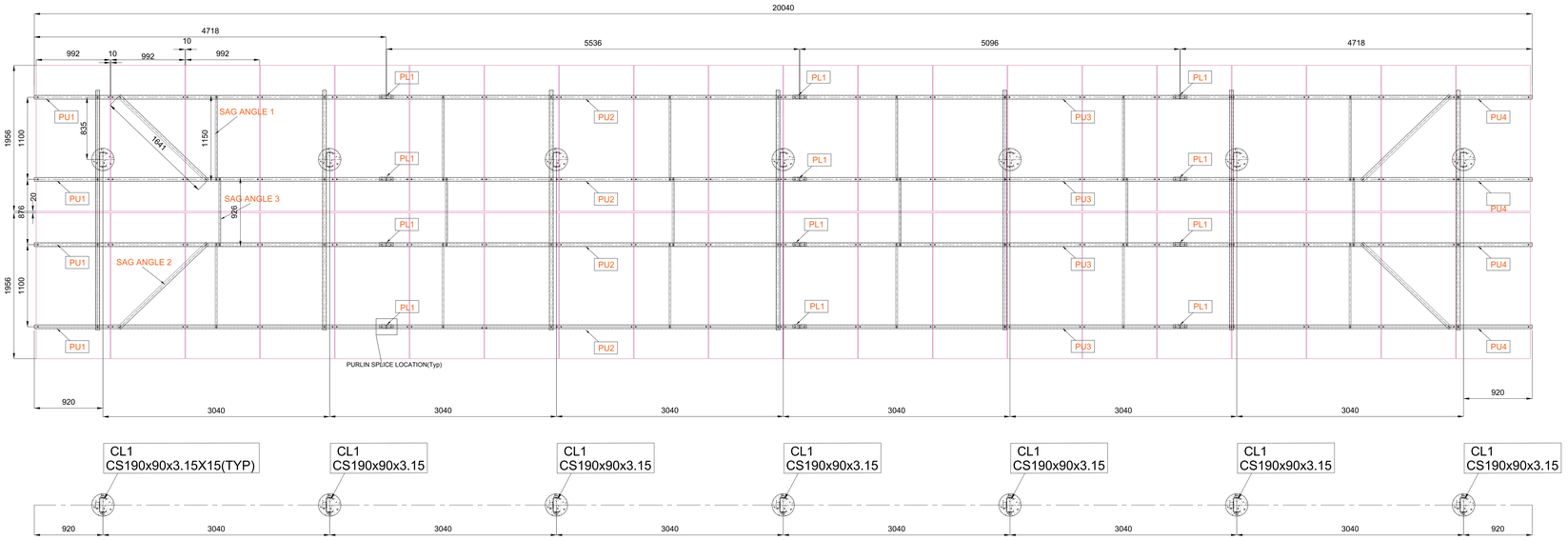
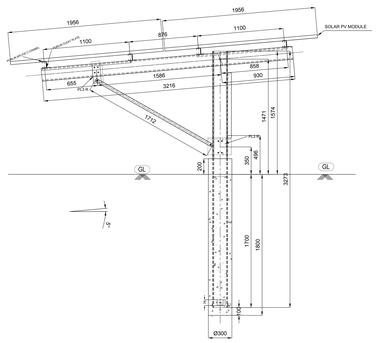
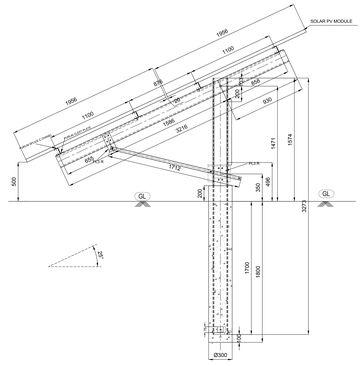
1956x992x40 – Jiangxi Risun Green Energy CO.,LTD.



PLAN AT GROUND LEVEL AND MMS INCLINATION AT ZERO DEG.



SIDE VIEW FOR TILT OF 25 Deg.



SIDE VIEW FOR TILT OF 25 Deg.

BOM-1 Table for Ramagundam

Mark No.	Item Description (Dimensions in mm)	Grade	Galvanization	Up	Nos. for 1 Table	Length
	COLD FORMED SECTION			mm		mm
CL1	190CS90X3.15 Roller	E350		15	7	3273
RF1-R	165CS50X2.5 Purlin	E350		15	7	3216
PU1-R	80CS50X2.0	E350		15	4	4718
PU2-R	80CS50X2.0	E350		15	4	5536
PU3-R	80CS50X2.0	E350	Hot dip galvanized with minimum coating and/or minimum coating thickness of 80 microns for protection against corrosion. Galvanization shall confirm to IS: 2629 AT 565 C 739 as applicable.	15	4	5096
PU4-R	80CS50X2.0	E350		15	4	4718
Sinus Bracing						
BR1-R	70CU40X2	E350			3	1712
BR1A-R	50CU50X2.0	E350			4	3197
Purlin Splice-R	81CU40X2.5	E350			12	185
Sag-Rod						
SG1-R	30LUSO0.3	E350			4	1641
SG2-R	30LUSO0.3	E350			12	1150
SG3-R	30LUSO0.3	E350			6	926
HOT ROLLED SECTION						
Plates						
PL1-R	Rafter Plate (235x180x8)	E250			7	239
PL2-R	Purlin Joint (445x370x8)	E250			7	243
PL5-R	Purlin Cheek(TYP) (450X6)	E250			28	50
CL1-bt	Column Cleat	E250			7	75
CL1-F	450X170X8 Base Plate 240X314	E250			14	40

Tolerance Table:

a	Overall length(m)	0 to 30.0 mm
b	C/C of Slot	+/- 2.5 mm
c	C/C of Hole	+/- 2.5 mm
d	Hole Dia	+3.0 mm(+0.8 mm)
		+/-30 mm(+/-0.5 mm)
e	Slot Dimensions	+3.0 mm(+0.8 mm)
		+/-30 mm(+/-0.8 mm)
		+/-30 mm(+/-1.0 mm)
f	Length	
	Table 3 mtr.	+/- 2.5 mm(+/-1)
	3mtr. to 6 mtr.	+/- 2.5 mm(+/-)
g	Members section geometry.	No negative tolerance is permitted in the web(depth) of channel sections. All other dimensions to be as per IS:811 Deviation of the profile shall not exceed +/- (0.5mm).
h	Angular Tolerance	+/-2 degrees
i	Thickness	No negative tolerance.
j	Overall assembly tolerance - Inches	+/- 5 mm(+/-0.5 mm)
k	Overall assembly tolerance -angular	+/- 2 deg.
l	PV Module mounting holes(Slot on the purlin only)	No positive tolerance).
m	Hole Dia	+3.0 mm(+0.8 mm)
		+/30 mm(+/0.5 mm)
	Slot Dimensions	+3.0 mm(+0.8 mm)
		+/30 mm(+/30 mm)
		+/30 mm(+/0.8 mm)
	* SUBJECT TO MINOR MODIFICATIONS AFTER PROTOTYPE.	

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS TO BE READ.

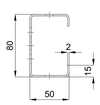
NOTES:(This note has to be read alongwith the Bill of material).

1. DIMENSIONS FOR COLD ROLLED STEEL ANGLE/CHANNEL SECTIONS SHALL BE AS PER BOM.
2. DIMENSIONS OF PLATES, FLAT BARS SHALL CONFORM TO IS:1730.
3. FABRICATION AND ERECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH IS:800 AND IS:801.
4. ALL MMS MEMBERS TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH IS:2629–1985 AND IS 4759. HOWEVER THE MINIMUM GALVANIZATION THICKNESS TO BE MINIMUM 80 MICRONS .GALVANIZATION SHALL BE DONE AFTER FABRICATION AND CUTTING OF HOLES.
5. HOLE SIZES ARE SHOWN AFTER GALVANIZATION/TREATMENT.
6. REMOVE ALL SHARP AND BURR EDGES.
7. THE PROTOTYPE SHALL BE INSPECTED JOINTLY BY SECI ,BHEL & FABRICATION VENDOR AT SHOP AND ANY MINOR MODIFICATION REQUIRED IN HOLE SPACING ,CUT LENGTHS ETC SHALL BE INCORPORATED IN FINAL MMS ASSEMBLY AS PER BOM.
8. NO SITE WELDING IS PERMITTED.
9. EVERY BOLT CONNECTION SHALL HAVE ONE SPRING WASHER +TWO PLAIN WASHER & HEXAGONAL NUT.
10. ALL FASTENER FOR MMS SHALL BE SS304 GRADE A2–70 CONFORMING TO IS 1363 FOR BOLT & NUT, IS 2016 FOR PLAIN WASHER & IS 3063 FOR SPRING WASHER.

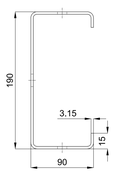
BOLT TIGHTENING TORQUE VALUE MAXIMUM

BOLT VALUE MM	GRADE	TIGHTENING TORQUE VALUE (N–m)
M6	SS316–A4–70	5.90
M8	SS304–A2–70	14.5
M10	SS304–A2–70	30.0
M16	SS304–A2–70	121

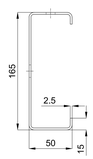
* TIGHTENING TORQUE VALUES SUBJECT TO MINOR CHANGES W.R.T FIELD CONDITIONS.



(PU-R)-PURLIN
(CS80x50x2x15)



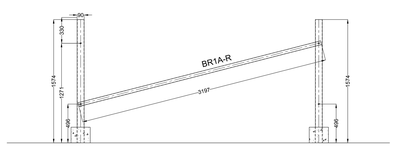
(CL1-R)-COLUMN
(CS190x90x3.15x15)



(RF1-R)-RAFTER
(CS165x50x2.5x15)

BR1-R
BRACING
(CU70x40x2)

BR1A-R
BRACING
(CU50x50x2)



FRONT VIEW FOR BR1A–R

NOTES:

1.PILE DETAILS WILL BE SUBMITTED THROUGH DIFFERENT MDL.

SOLAR PANEL DETAIL

MAKE	SIZE (MM)	Pitch–(Hor)mm	Pitch–(Ver)mm
jinagxi Risun Green Energy	1956X992	947	1100

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE:

GA OF MODULE MOUNTING STRUCTURE

FOR GROUND SLOPE LESS THAN OR EQUAL TO 3 DEGREES.

No. OF SHEETS	14
SHEET No.	01
REV	01

BHEL DRG. No. BHEL–SECI–SD–SCCL50–DWG–CIV–012

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

REF. DRG. No. | SIGN. & DATE | INVENTORY No.

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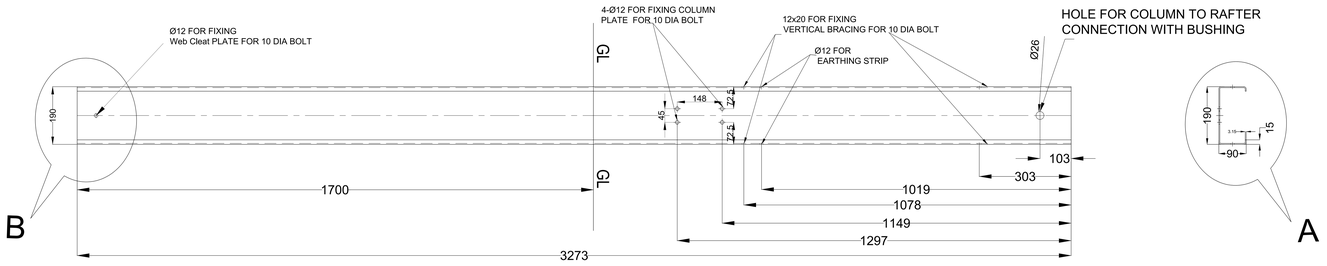
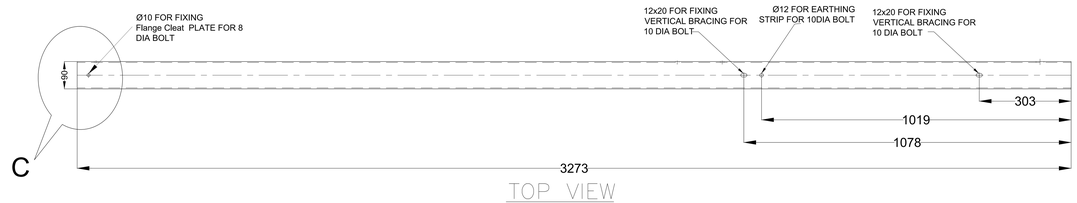
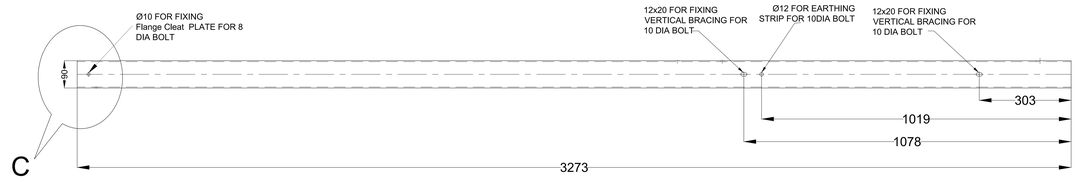
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



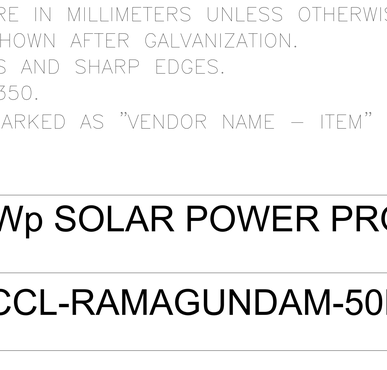
FRONT VIEW



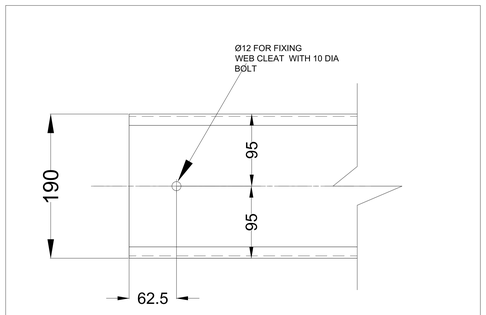
TOP VIEW



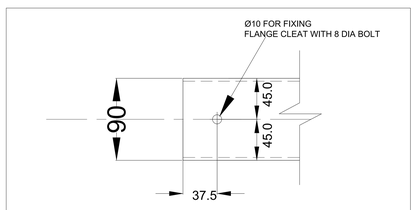
BOTTOM VIEW



DETAIL - A
SCALE 1:5



DETAIL - B
SCALE 1:2.5



DETAIL - C
SCALE 1:3

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: CL1–R– COLUMN

No. OF SHEETS	14
SHEET No.	03
REV	01

BHEL DRG. No. BHEL–SECI–SD–SCCL50–DWG–CIV–012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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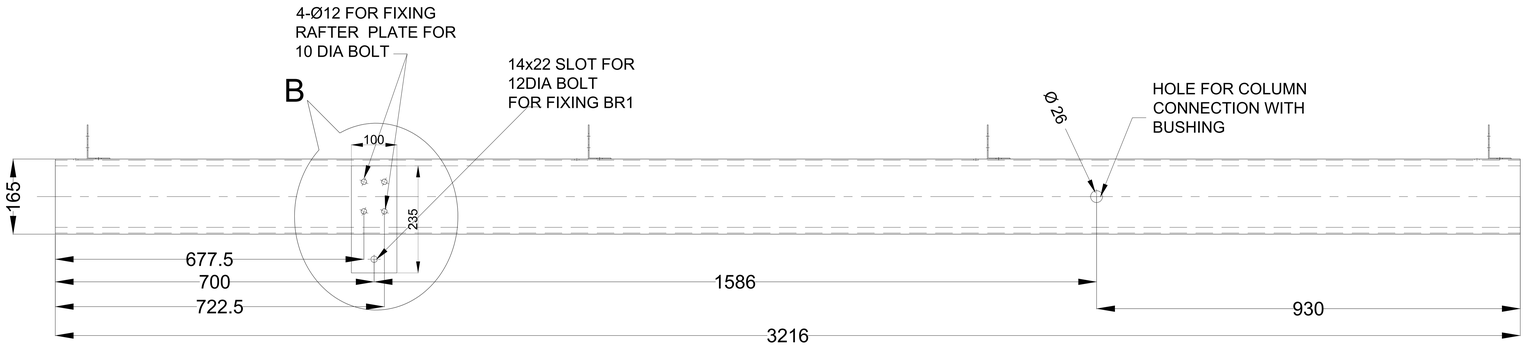
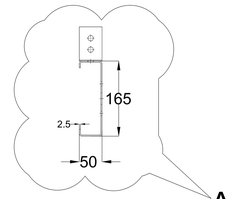
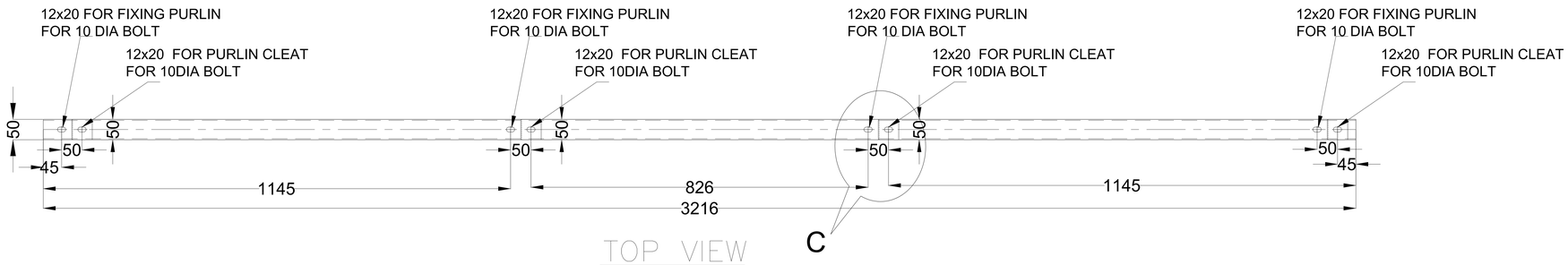
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



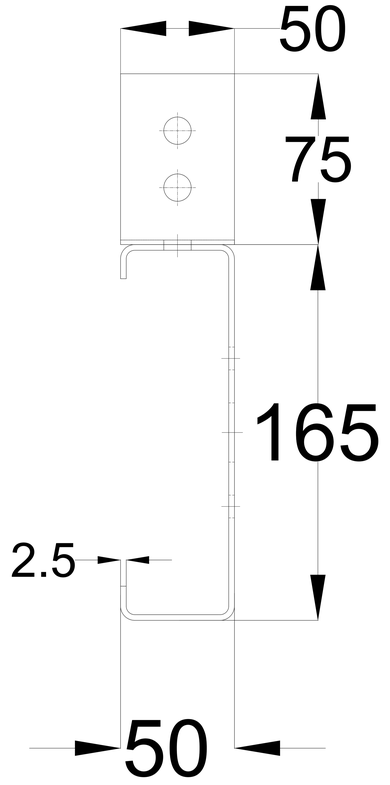
FRONT VIEW

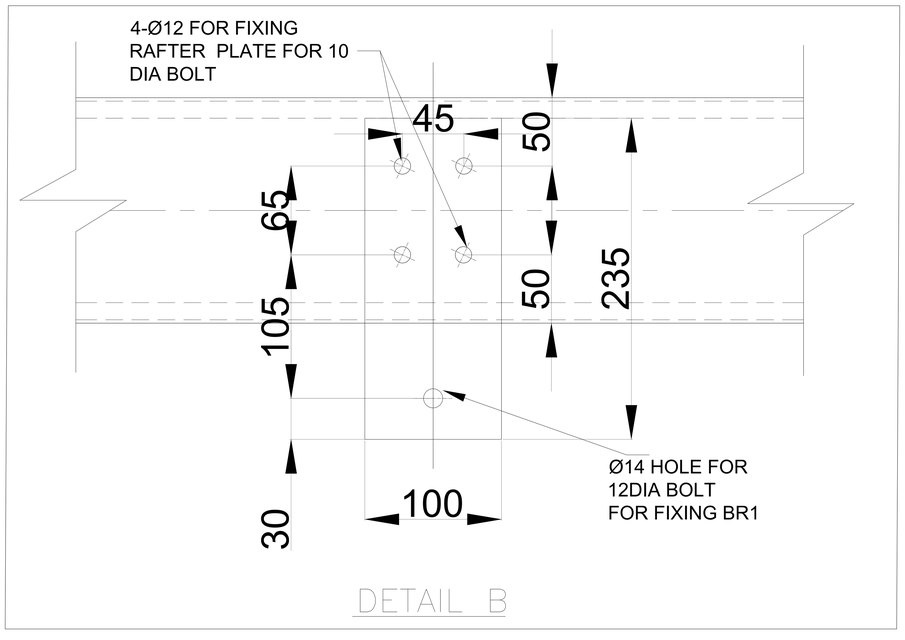


SIDE VIEW

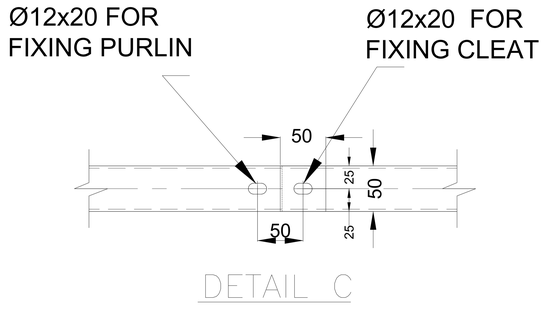


TOP VIEW





DETAIL B



DETAIL C

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

REV.	DATE	ALTERED / CHECKED / APPROVED
01	27.06.19	RAFTER LENTH AND PURLIN HOLE POSITION CHANGED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: RF1-R-RAFTER WITH PURLIN CLEAT

No. OF SHEETS	14
SHEET No.	04
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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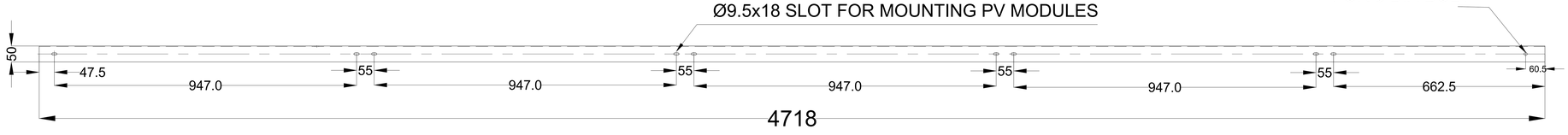
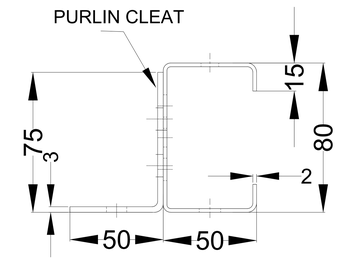
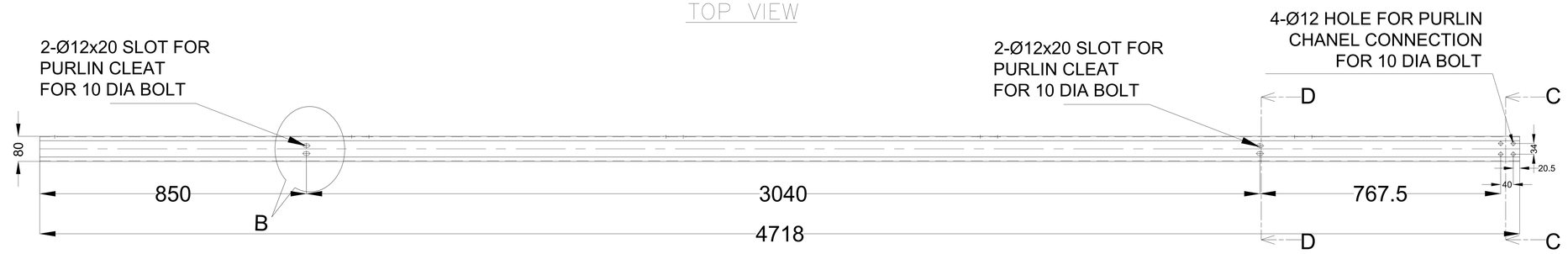
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



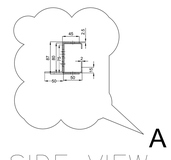
TOP VIEW



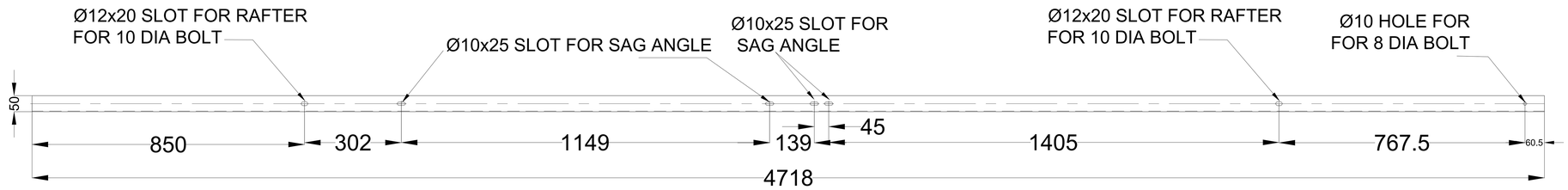
SECTION D-D
SCALE 1:5



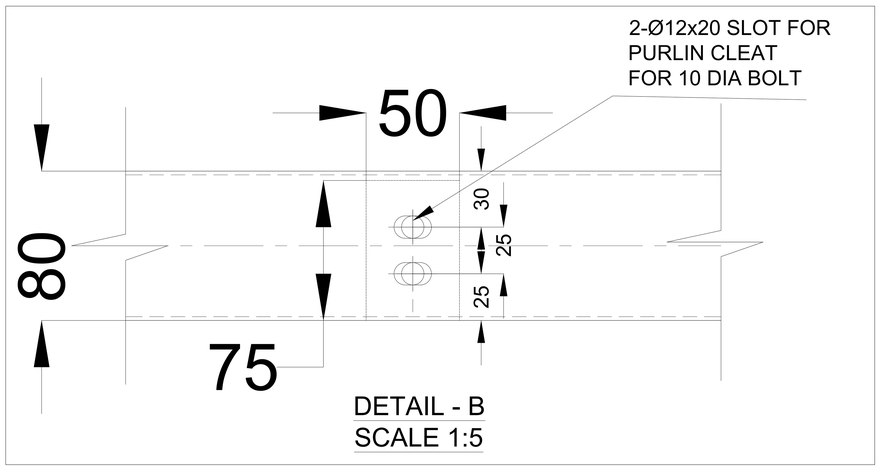
FRONT VIEW



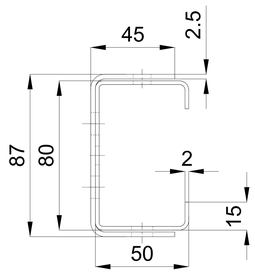
SIDE VIEW



BOTTOM VIEW



DETAIL - B
SCALE 1:5



SECTION C-C
SCALE 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE FOR PURLIN ONLY TO BE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE :	129 MWp SOLAR POWER PROJECT FOR SCCL
CLIENT :	SCCL-RAMAGUNDAM-50MW
CONSULTANT:	SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PU1–R–PURLIN	
No. OF SHEETS	14
SHEET No.	07
REV	01
BHEL DRG. No.	BHEL–SECI–SD–SCCL50–DWG–CIV–012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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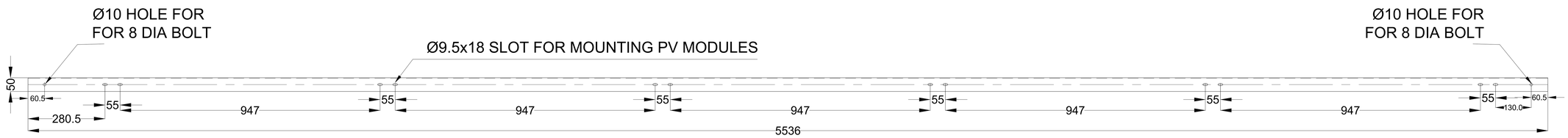
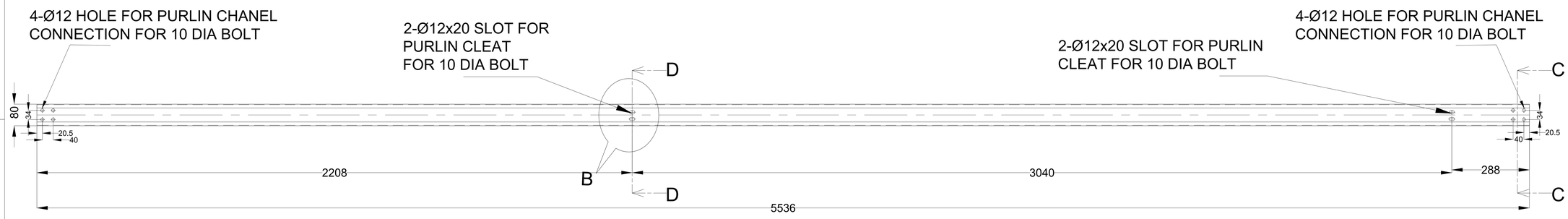
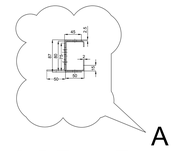
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



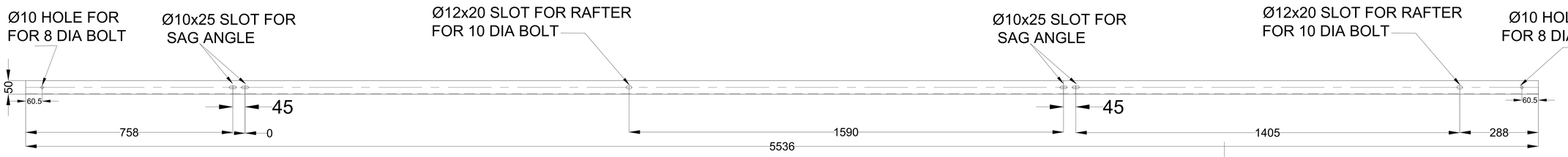
TOP VIEW



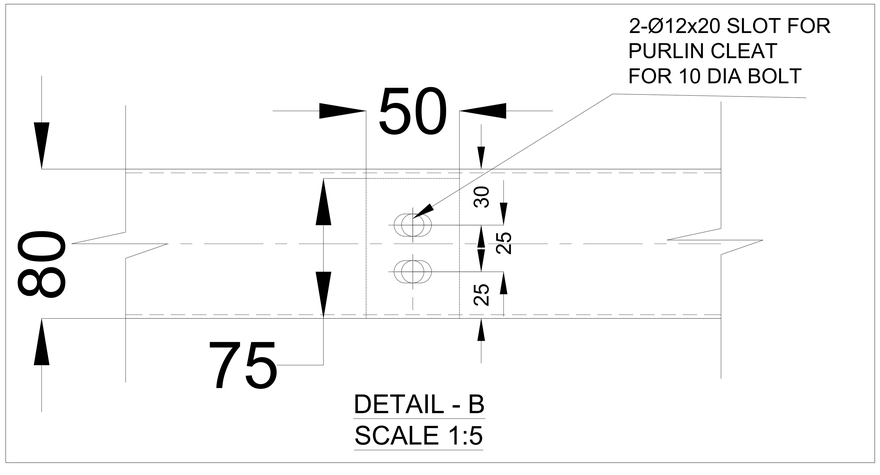
FRONT VIEW



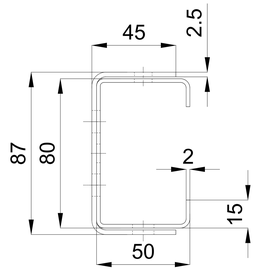
SIDE VIEW



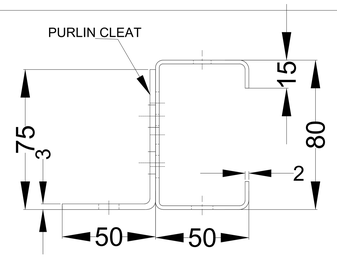
BOTTOM VIEW



DETAIL - B
SCALE 1:5



SECTION C-C
SCALE 1:5



SECTION D-D
SCALE 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE FOR PURLIN ONLY TO BE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PU2-R-PURLIN

No. OF SHEETS	14
SHEET No.	08
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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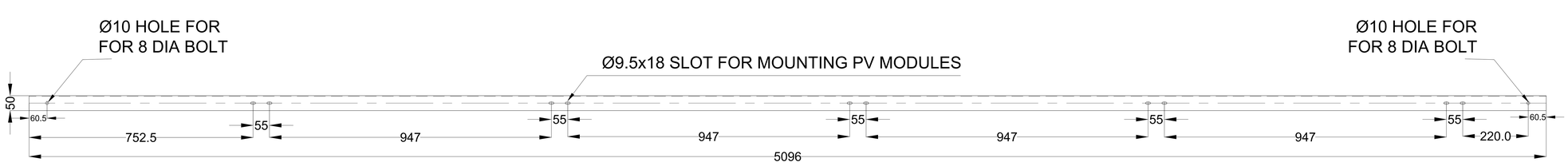
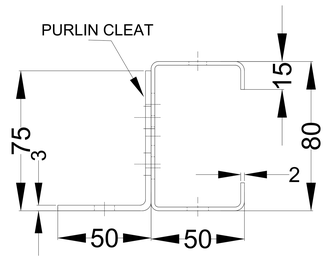
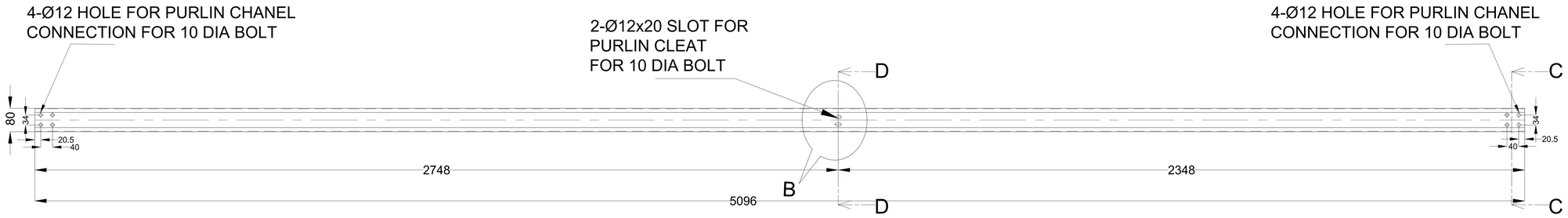
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



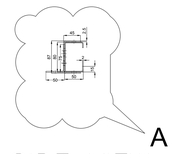
TOP VIEW



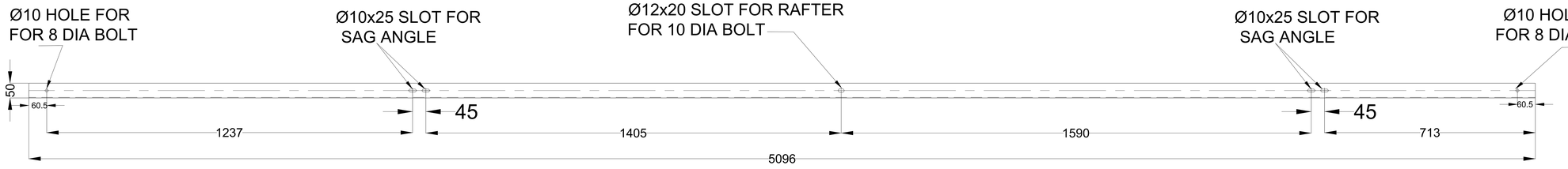
SECTION D-D
SCALE 1:5



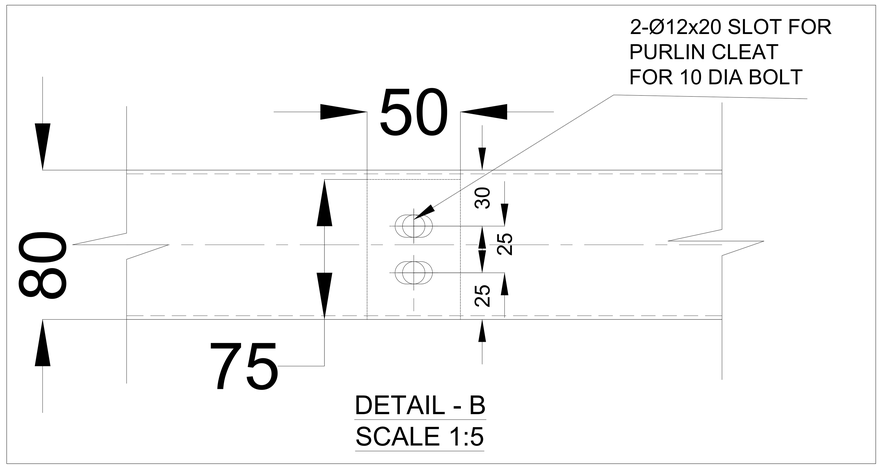
FRONT VIEW



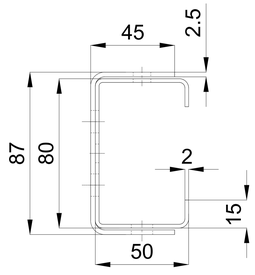
SIDE VIEW



BOTTOM VIEW



DETAIL - B
SCALE 1:5



SECTION C-C
SCALE 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE FOR PURLIN ONLY TO BE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE :	129 MWp SOLAR POWER PROJECT FOR SCCL
CLIENT :	SCCL-RAMAGUNDAM-50MW
CONSULTANT:	SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PU3-R-PURLIN

No. OF SHEETS	14
SHEET No.	09
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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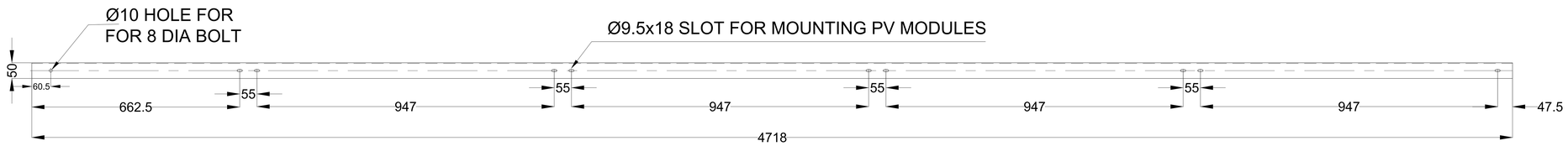
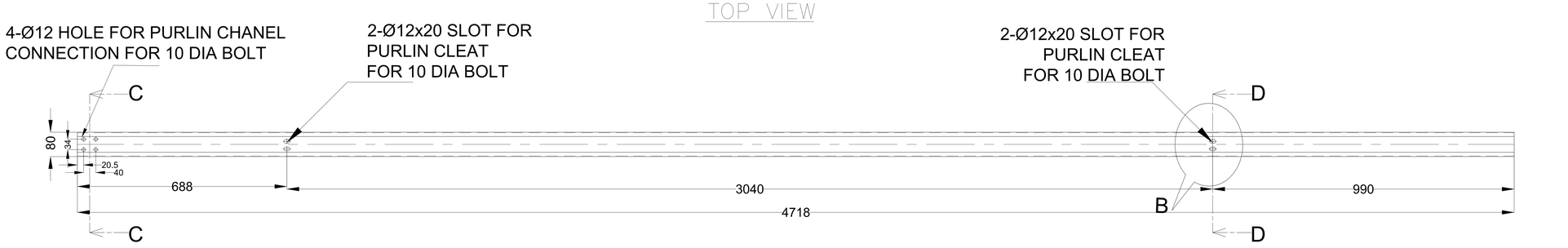
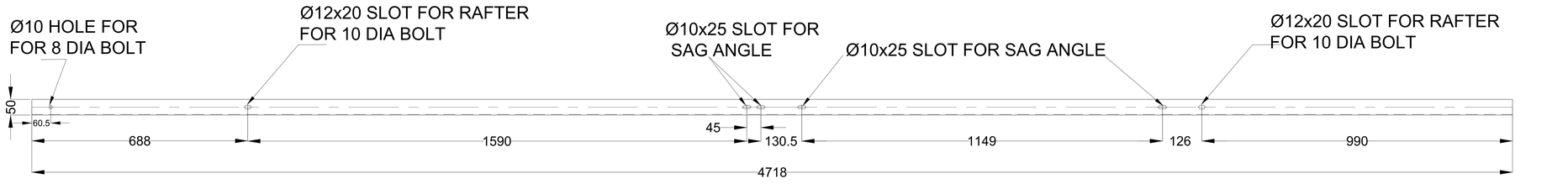
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



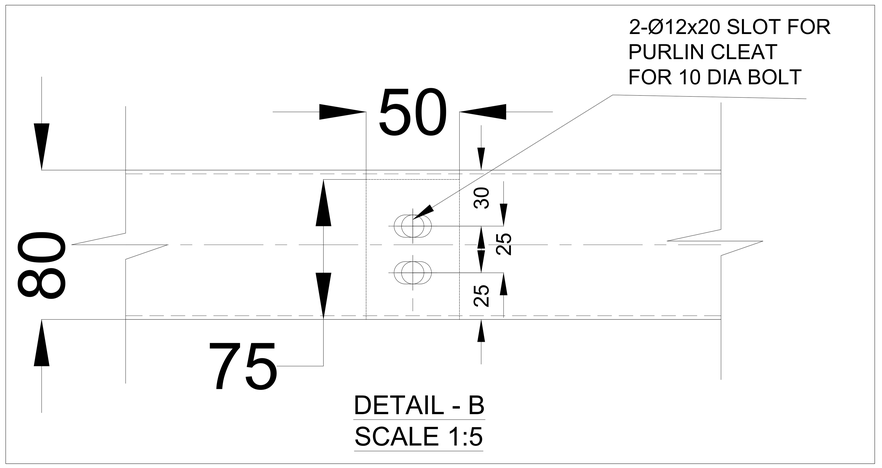
TOP VIEW



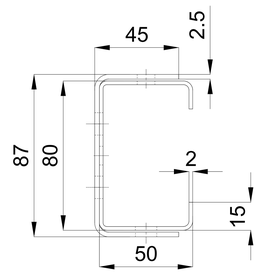
FRONT VIEW



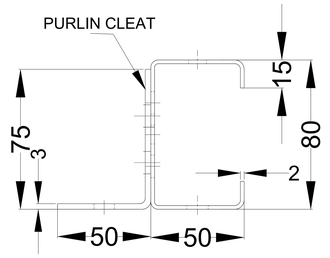
BOTTOM VIEW



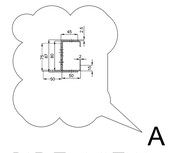
DETAIL - B
SCALE 1:5



SECTION C-C
SCALE 1:5



SECTION D-D
SCALE 1:5



SIDE VIEW

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE FOR PURLIN ONLY TO BE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PU4-R-PURLIN

No. OF SHEETS	14
SHEET No.	10
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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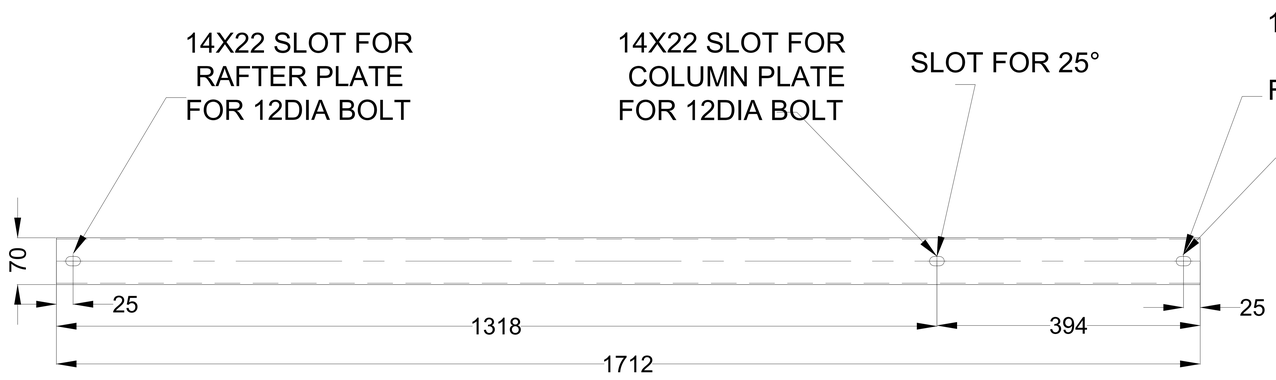
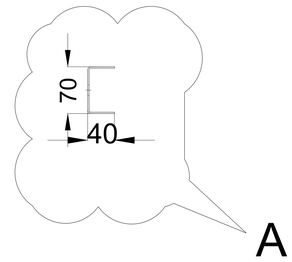
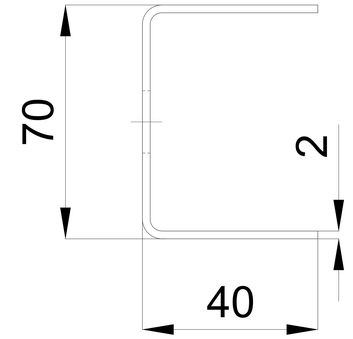
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



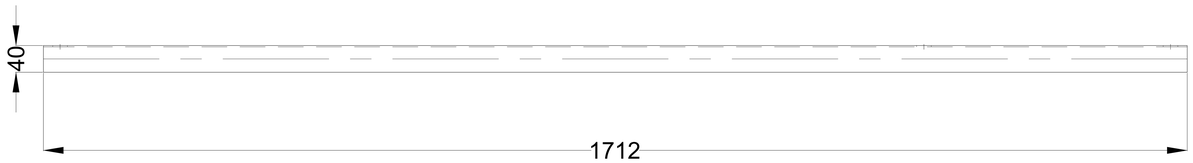
FRONT VIEW



SIDE VIEW



DETAIL - A
SCALE 1:5



TOP VIEW

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE :	129 MWp SOLAR POWER PROJECT FOR SCCL
CLIENT :	SCCL-RAMAGUNDAM-50MW
CONSULTANT:	SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: BR1-R-BRACING

No. OF SHEETS	14
SHEET No.	05
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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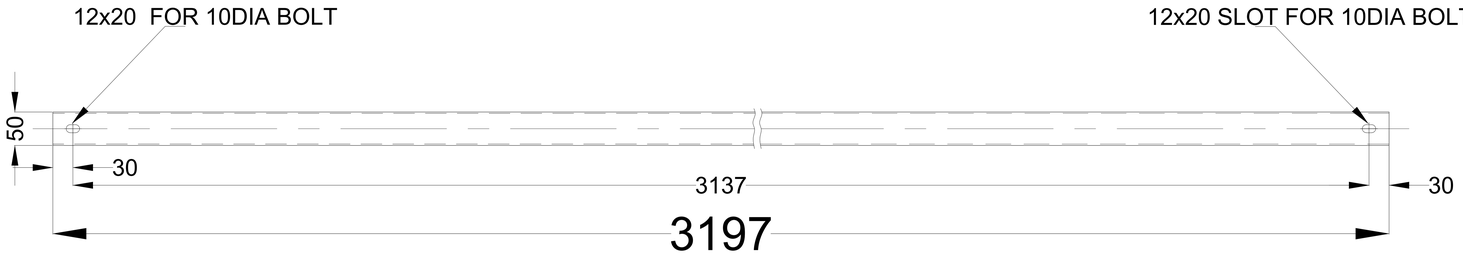
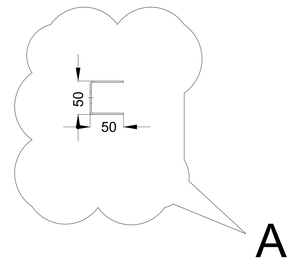
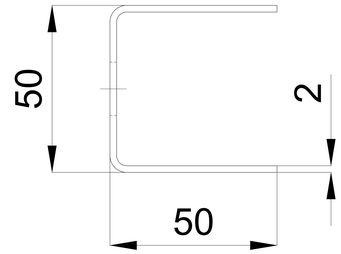
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



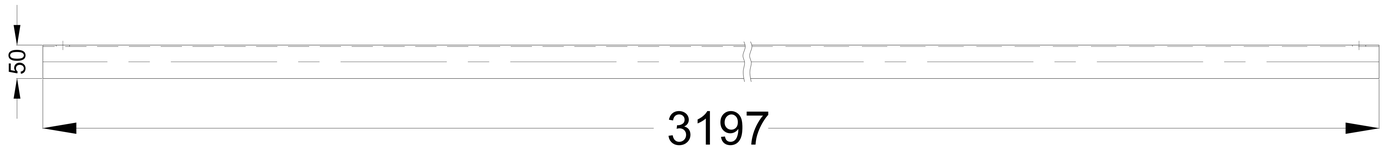
FRONT VIEW



SIDE VIEW



DETAIL - A
SCALE 1:5



TOP VIEW

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE :	129 MWp SOLAR POWER PROJECT FOR SCCL
CLIENT :	SCCL-RAMAGUNDAM-50MW
CONSULTANT:	SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: BR1A-R-BRACING

No. OF SHEETS	14
SHEET No.	06
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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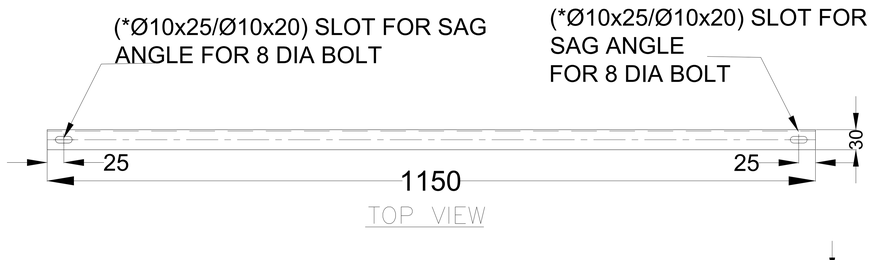
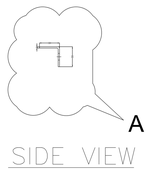
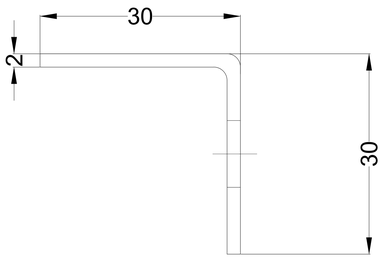
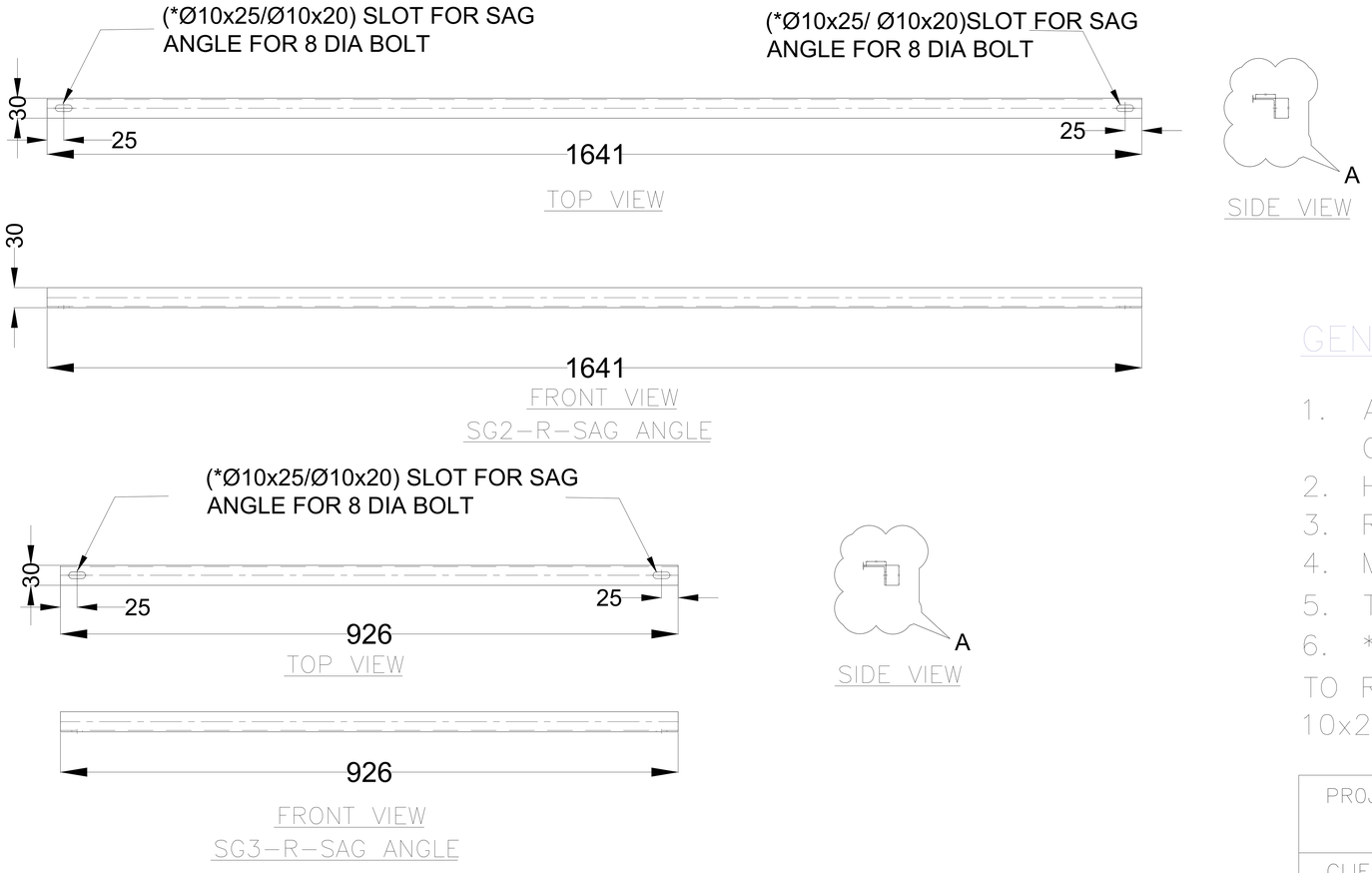
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012







DETAIL - A
SCALE 1:10



GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE E350.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"
6. * TWO VENDORS ARE SUPPLYING SUPER STRUCTURE TO RAMAGUNDAM SITE-(M/s Isitva-10x20 and M/s Corros-10x25 Slot.) Deviation permitted based on vendor request.

PROJECT TITLE :	129 MWp SOLAR POWER PROJECT FOR SCCL
CLIENT :	SCCL-RAMAGUNDAM-50MW
CONSULTANT:	SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

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DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE:

SAG ANGLE-R

No. OF SHEETS	14
SHEET No.	13
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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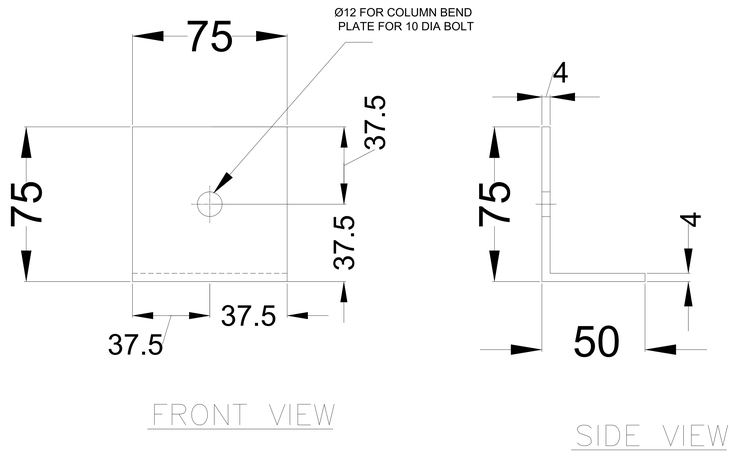
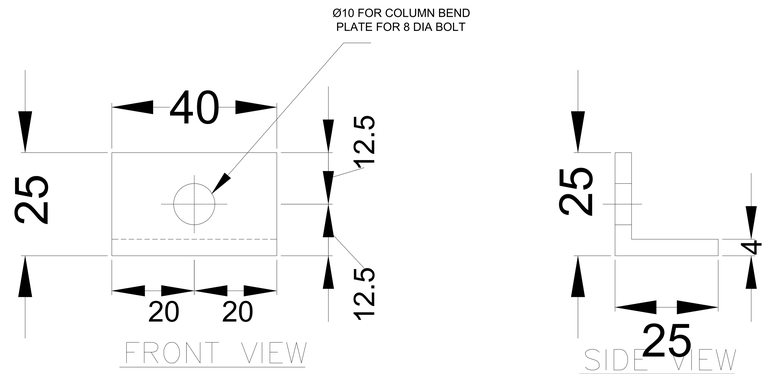


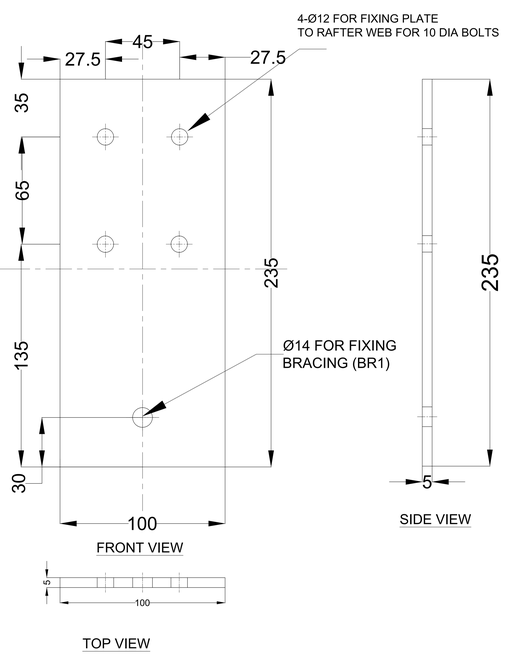
COLUMN WEB CLEAT

SCALE 1:2.5



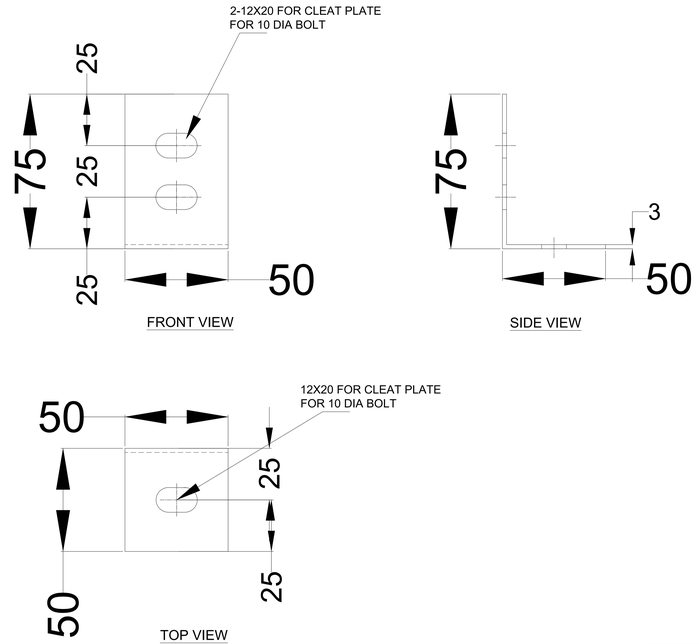
COLUMN FLANGE CLEAT

SCALE 1:5



PL2-R-RAFTER PLATE

SCALE 1:2



PL5-R-PURLIN CLEAT

SCALE 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE TO BE E250.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: CL1-W-COLUMN WEB CLEAT
CL1-F-COLUMN FLANGE CLEAT
PL2-R-RAFTER PLATE
PL5-R-PURLIN CLEAT

No. OF SHEETS	14
SHEET No.	11
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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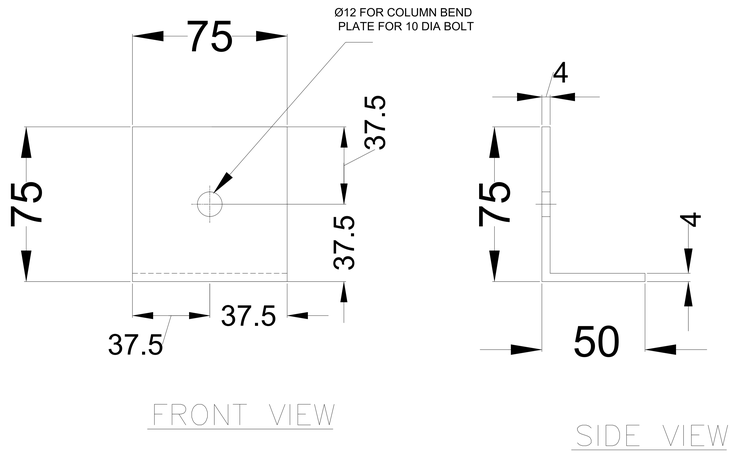
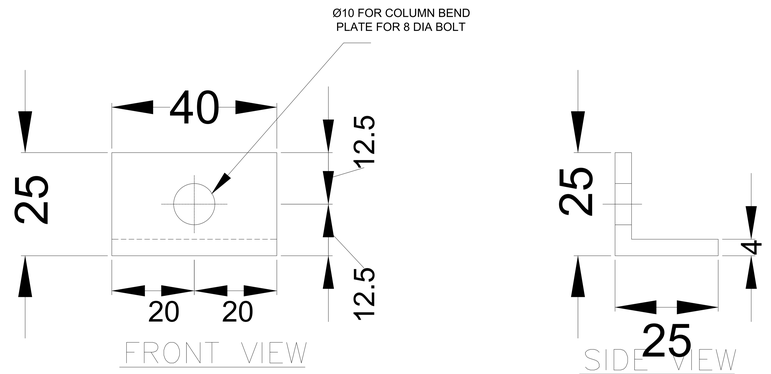


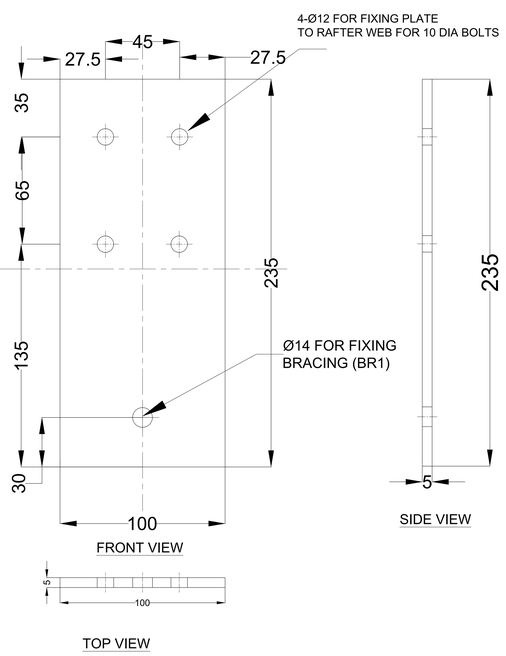
COLUMN WEB CLEAT

SCALE 1:2.5



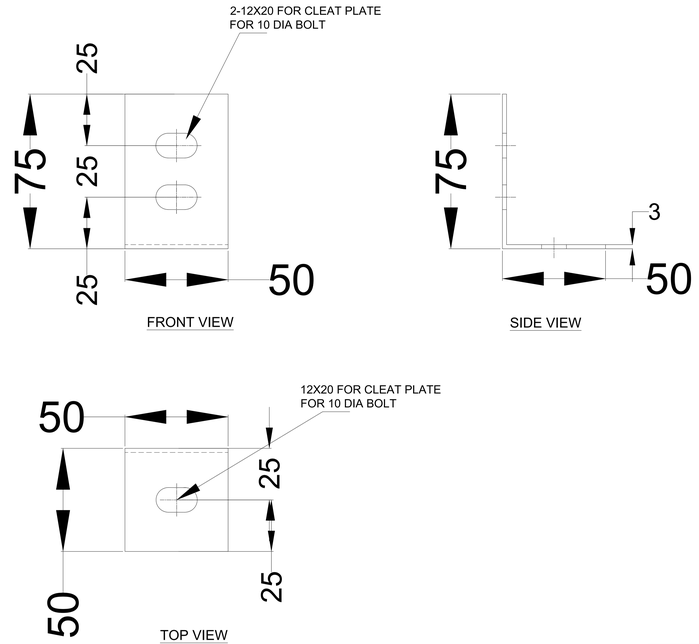
COLUMN FLANGE CLEAT

SCALE 1:5



PL2-R-RAFTER PLATE

SCALE 1:2



PL5-R-PURLIN CLEAT

SCALE 1:5

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE TO BE E250.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: CL1-W-COLUMN WEB CLEAT
CL1-F-COLUMN FLANGE CLEAT
PL2-R-RAFTER PLATE
PL5-R-PURLIN CLEAT

No. OF SHEETS	14
SHEET No.	11
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.
SIGN. & DATE
INVENTORY No.

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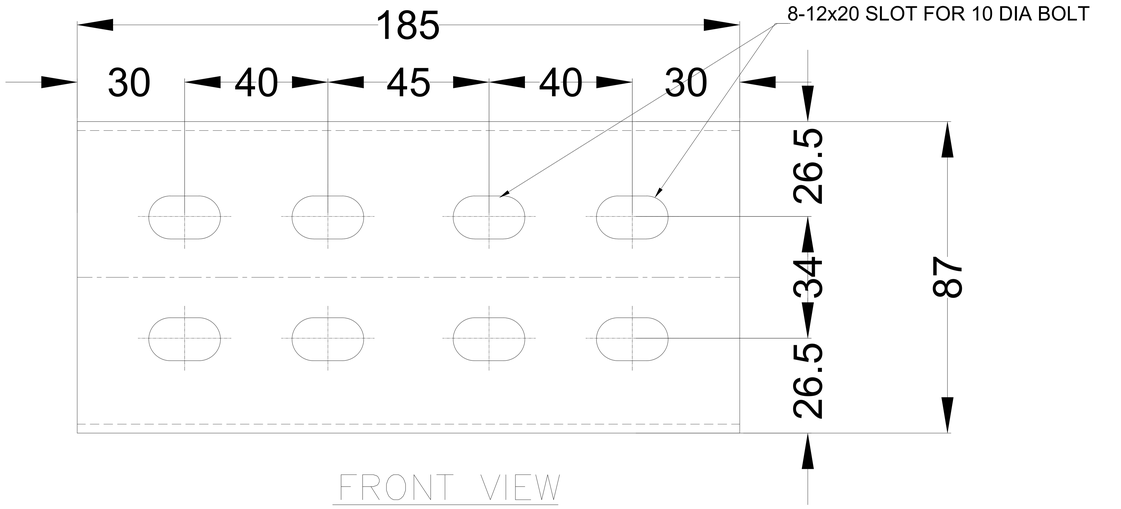
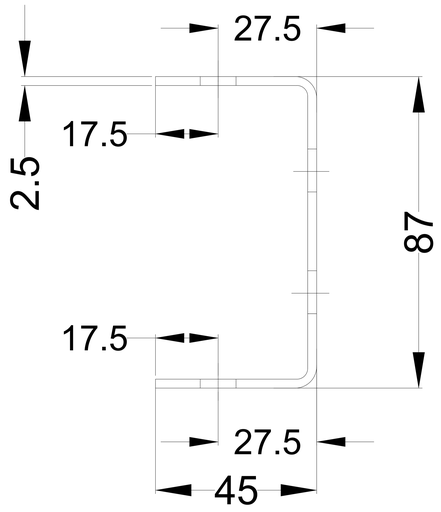
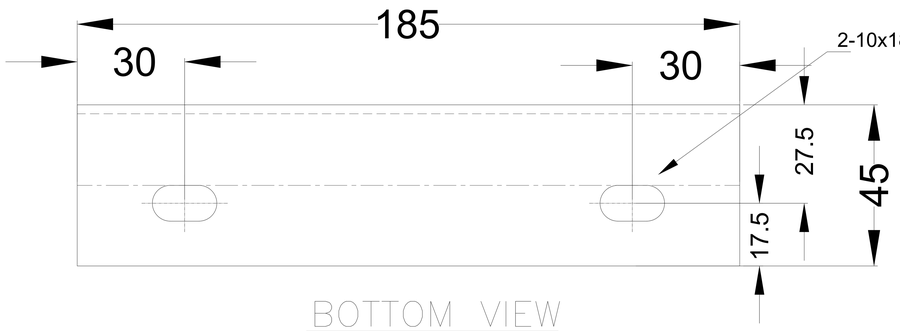
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012



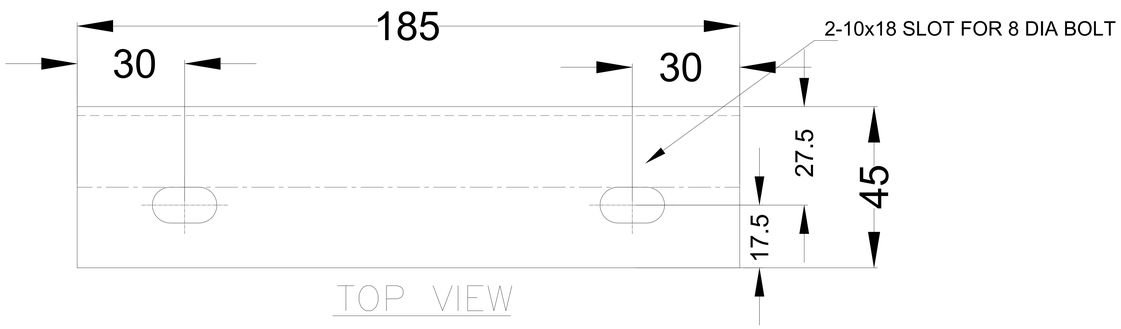
FRONT VIEW



SIDE VIEW



BOTTOM VIEW



TOP VIEW

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

REF. DRG. No.

SIGN. & DATE

INVENTORY No.

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PURLIN SPLICE-R C CHANEL

No. OF SHEETS	14
SHEET No.	14
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

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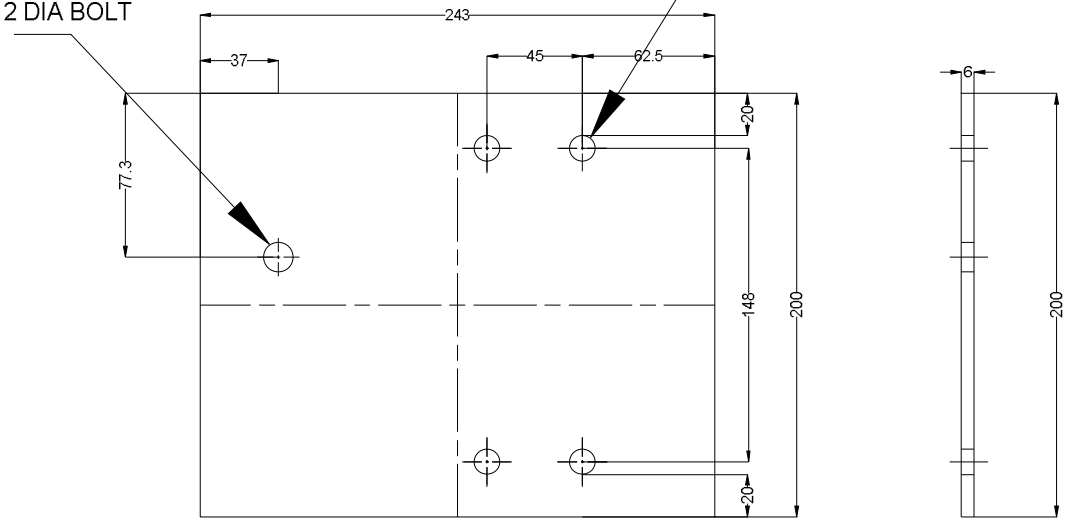
DRG. No. BHEL-SECI-SCCL50-DWG-CIV-012

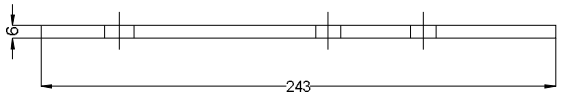
Ø14 FOR BRACING TO COLUMN PLATE CONNECTION FOR 12 DIA BOLT

4-Ø12 FOR COLUMN PLATE TO COLUMN CONNECTION FOR 10 DIA BOLT



FRONT VIEW

SIDE VIEW



TOP VIEW

PL3-R-COLUMN PLATE
SCALE 1:1

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. HOLE SIZES ARE SHOWN AFTER GALVANIZATION.
3. REMOVE ALL BURRS AND SHARP EDGES.
4. MATERIAL GRADE TO BE E250.
5. THE ITEM TO BE MARKED AS "VENDOR NAME – ITEM"

PROJECT TITLE : 129 MWp SOLAR POWER PROJECT FOR SCCL

CLIENT : SCCL-RAMAGUNDAM-50MW

CONSULTANT: SECI

REV.	DATE	ALTERED / CHECKED / APPROVED	REV.	DATE	ALTERED / CHECKED / APPROVED

	NAME	SIGN	DATE
DRAWN		NY	270619
CHECKED		PM	270619
APPROVED		MS	270619

DISTRIBUTION OF PRINTS

DEPT.	CODE
SC&PV	439

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE: PL3-R-COLUMN PLATE

No. OF SHEETS	14
SHEET No.	12
REV	01

BHEL DRG. No. BHEL-SECI-SD-SCCL50-DWG-CIV-012

REF. DRG. No.

SIGN. & DATE

INVENTORY No.

MANUFACTURING QUALITY PLAN (MQP)

ITEM :	MMS-Super Structure- FOR SPV PLANT	**PROJECT NAME:**	SCCL-129MW
MQP NO.:		**CONTRACT NO.:**	
REV. NO.:		**CONTRACTOR:**	
DATE :		**CUSTOMER :**	BHEL

Sr. No.	Component & Operation	Characteristics	Class	Typ of Check	Quantum of Check		Reference Document	Acceptance Norms	Format of Record		Agency		Remarks
					M	C					M	C	
1	2	3	4	5	6		7	8	9	D	10		11
A	**Structures**												
1	**RAW MATERIAL**												Vendor shall procure the raw materials (steel sheets) from OEM sub-vendors viz TISCO, SAIL, JINDAL, RINL. In case of any sub-vendors other than the above, vendor, after receipt of PO from BHEL, shall obtain approval from BHEL.
1.1	**Hot Rolled Structures Steel**-As per BOM and BHEL Dwg no (3 679 05 00944)	a) Chemical Composition	Major	Chemical	1 Sample/40 MT or Part thereof for each class of Product.	Each lot	Approved. Drg IS: 2062-2011 IS: 8500-1991 IS: 228-1987 IS: 1608-2005 IS: 1599-1983	Approved. Drg IS: 2062-2011 IS: 8500-1991 IS: 228-1987 IS: 1608-1995 IS: 1599-1983 Material Shall be free from surface defects like lamination, rough,jagged & imperfect edges & other harmful defect(removal) of minor surface defect as per IS:2062C1-7 is acceptable	Procedure's/ fabricator's Certificate/ Check Test Reports	√	V	V	IS:2062-2011/Material Grade refrred as per drawing/BOM shall be used. All tolerances as per relevant code/Tech Spec/drawing
		b) Tensile Test(TS, YS %Elongation)	Major	Mech.	1 Sample/40 MT or Part thereof for each class of Product.	Each lot	Approved. Drg IS: 2062-2011 IS: 8500-1991 IS: 228-1987 IS: 1608-2005 IS: 1599-1983		Procedure's/ fabricator's Certificate/ Check Test Reports	√	V	V	
		c) Bend Test	Major	Mech.	1 Sample/40 MT or Part thereof for each class of Product.	Each lot	Approved. Drg IS: 2062-2011 IS: 8500-1991 IS: 228-1987 IS: 1608-2005 IS: 1599-1983		Procedure's/ fabricator's Certificate/ Check Test Reports	√	V	V	
		d) Visual Check for Surface	Major	Visual	100%	Each lot	Approved. Drg IS: 2062-2011 IS: 8500-1991 IS: 228-1987 IS: 1608-2005 IS: 1599-1983		Procedure's Inspection Report	√	P	V	
		e)Dimension	Major	Measure	As per IS:2500-1992 SSP Level -1 AQL 6.5	Random for each lot	IS:808-1989 (Angles) IS:1852-1985 (Plates) IS:1730-P-1-1989 IS: 2062-2011	IS:808-1989 (Angles) IS:1852-1985 (Plates) IS:1730-P-1-1989 IS: 2062-2011	Fabricator's Inspection Report	√	P	V	
1.2	**Cold formed sections**-As per BOM in BHEL Dwg no (3 679 05 00944)	a) Chemical Composition	Major	Chemical	100%	Each lot	Approved. Drg IS:811 IS: 1161 or IS: 1079	Approved. Drg IS:811 IS: 1161 or IS: 1079	MTC & Supplier's Inspection report	√	V	V	All cold formed steel material shall have a minimum Fy as per BOM BHEL Dwg no (3 679 05 00944).
		b) Tensile Test(TS, YS %Elongation)	Major	Mech.	100%	Each lot	Approved. Drg IS:811 IS: 1161 or IS: 1079	Approved. Drg IS:811 IS: 1161 or IS: 1079	MTC & Supplier's Inspection report	√	V	V	
		c) Bend Test	Major	Mech.	100%	Each lot	Approved. Drg IS:811 IS: 1161 or IS: 1079	Approved. Drg IS:811 IS: 1161 or IS: 1079	MTC & Supplier's Inspection report	√	V	V	
		d) Visual Check for Surface	Major	Visual	100%	Each lot	Approved. Drg IS:811 IS: 1161 or IS: 1079	Approved. Drg IS:811 IS: 1161 or IS: 1079	MTC & Supplier's Inspection report	√	V	V	
		e)Dimension	Major	Measure	As per IS:2500-1992 SSP Level -1 AQL 6.5	Random for each lot	IS:811	IS:811	Fabricator's Inspection Report	√	P	V	
		i) For cold formed sections (Rafters,purlins,bracings .) Length, out of squareness, camber-weight	Major	Measure	As per IS:2500-1992 SSP Level -1 AQL 6.5	Random for each lot	IS:811	IS:811	Fabricator's Inspection Report	√	P	V	

MANUFACTURING QUALITY PLAN (MQP)

ITEM :	MMS-Super Structure- FOR SPV PLANT	**PROJECT NAME:**	SCCL-129MW
MQP NO.:		**CONTRACT NO.:**	
REV. NO.:		**CONTRACTOR:**	
DATE :		**CUSTOMER :**	BHEL

Sr. No.	Component & Operation	Characteristics	Class	Typ of Check	Quantum of Check		Reference Document	Acceptance Norms	Format of Record		Agency		Remarks
					M	C					M	C	
1	2	3	4	5	6		7	8	9	D	10		11
1.3	Zinc	Chemical Composition	Major	Measure	1 Sample/lot	Random for each lot	IS:209-1992	IS:209-1992 Zn-99.5%	Procedure's TC/ Check Test Report	√	P	V	
2	**IN PROCESS INSPECTION**												
2.1	Fabrication of parts of assy.	a)Straightening	Major	Visual	100%	Random for each lot	IS:802-P-11-1978	IS:802-P-11-1978	Fabricator's Inspection Report	√	P	V	
		b)Cropping (Cutting)	Major	Visual	1st piece & every 100th piece	Random for each lot	Approved drgs. Shop Sketches	Approved Drgs./Tech. Spec.	Fabricator's Inspection Report	√	P	V	
		c)Stamping (identification-mark Number)	Major	Visual	100%	Random for each lot	Approved Drgs./ Tech. Spec.	Approved Drgs./Tech. Spec.	Fabricator's Inspection Report	√	P	V	
		d) Making hole by Punching/Drilling.	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	Holes should be perpendicular to surface & difference in dia. Of holes on the two sides of plates / angle should not be more then 0.8mm. Holes near bends to be punched/ drilled.	Fabricator's Inspection Report	√	P	V	Punching may be adopted for section upto 12mm thick. For thicker drilling to be done
		e) Edge Security	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	IS:802-P-II:1978 Table. 1	Fabricator's Inspection Report	√	P	V	
		f)Hole to Hole Distance	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	Tolerance cumulative # 2mm & between consecutive hole #1mm	Fabricator's Inspection Report	√	P	V	
		g)Overall length of members	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	Tolerance #2mm	Fabricator's Inspection Report	√	P	V	
		h) Gauge Distance	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	Tolerance # 1mm	Fabricator's Inspection Report	√	P	V	
		i) Notching flange cut, corner cut & level cut	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	5mm on specified length of cut operation by shearing up to 12mm thick & by gas cutting for material above 12mm thick/IS:802-P-II:1978 Table. 1	Fabricator's Inspection Report	√	P	V	
		j) Heel Grinding	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	After Grinding thickness on heel should be equal or more than the thickness of the member with +2mm/.0mm/ as per spec.	Fabricator's Inspection Report	√	P	V	
		k) Bending MS	Major	Measure	100%	Random for each lot	IS:802-P-11:1978	Tech Specification cold bend upto 76X6mm upto 10, upto 100X8 upto 5 all other angle section & bend angle shall be bent hot.	Fabricator's Inspection Report	√	P	V	
		l) Bending MS Plate	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978	Cold bend 12mm thick upto 15angle , greater bend & other thickness shall be bent hot	Fabricator's Inspection Report	√	P	V	
		m) Other Dimension	Major	Measure	1st piece & every 100th piece	Random for each lot	IS:802-P-11:1978/ IS:7215-1974	IS:7215-1974	Fabricator's Inspection Report	√			
2.3	**GALVANIZING**												
2.31	Degreasing (Acid base)	a)Solution Strength	Major	Visual	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
		b)PH Value	Major	Chem.	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
2.32	Rinsing	a)Cleanliness	Major	Visual	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
2.33	Pickling	a)Acid Content	Major	Chem.	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
		b)Iron Content	Major	Chem.	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	

MANUFACTURING QUALITY PLAN (MQP)

ITEM :	MMS-Super Structure- FOR SPV PLANT	**PROJECT NAME:**	SCCL-129MW
MQP NO.:		**CONTRACT NO.:**	
REV. NO.:		**CONTRACTOR:**	
DATE :		**CUSTOMER :**	BHEL

Sr. No.	Component & Operation	Characteristics	Class	Typ of Check	Quantum of Check		Reference Document	Acceptance Norms	Format of Record		Agency		Remarks
					M	C					M	C	
1	2	3	4	5	6		7	8	9	D	10		11
2.34	Rinsing	Cleanliness (Mill Scale paint marks etc.)	Major	Chem.	1 Sample Daily	Random for each lot	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
2.35	Pre-Fluxing	a)Dry Fluxing	Major	Chem.	1 Sample Daily	Random	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	Pre-Fluxing in Zinc Chlorides & ammonium chloride solution.
		b)Iron Content	Major	Chem.	1 Sample Daily	Random	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
		c)Specific Gravity	Major	Chem.	1 Sample Daily	Random	IS:2629-1985	50gm/Ltr. Max 1.11 to 1.30	Galvanizer QC Records	√	P	V	
		d)pH Value	Major	Chem.	1 Sample Daily	Random	IS:2629-1985	4 to 5	Galvanizer QC Records	√	P	V	
		e)Temperature	Major	Measure	Hourly	Random	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	
2.36	Pre Heating	Temperature	Major	Measure	Hourly	Random	IS:2629-1985	IS:2629-1985	Galvanizer QC Records	√	P	V	Calibrated Instrument to be used.
2.37	Hot Dip Galvanizing	a)Temperature	Major	Measure	Continuous recording & hourly measurement	Random	IS:2629:1985	440 to 460 deg. Celsius	Galvanizer's QC Records.	√	P	V	Zinc Bath temperature to be recorded continuously on graph & hourly manual recording shall also be done using digital temp. indicator & actual verification by thermometer.
		b)immersion time	Major	Measure	Each Lot	Random	IS:2629-1985	IS:2629-1985	Galvanizer's QC Records.	√	P	V	
		c) Removal of excessive zinc while lifting from zinc bath by bumping process.	Major	Measure	Each Item	Random	IS:2629-1985	IS:2629-1985	Galvanizer's QC Records.	√	P	V	Wiping & scrapping process not to be used.
2.38	Quenching or Running Water	Cooling & cleaning.	Major	Measure	Each Item	Random	IS:2629-1985	IS:2629-1985	Galvanizer's QC Records.	√	P	V	
2.39	Post Treatment or Dichromating.	Solution Strength	Major	Chem.	Once in day	Random	IS:2629-1985	IS:2629-1985	Galvanizer's QC Records.	√	P	V	
2.4	Check on member after galvanizing.	a) Surface Defect & Finish.	Major	Visual	100%	Random	IS:2629-1985	IS:2629-1985	Galvanizer's QC Records.	√	P	V	
		b) Thickness of Zinc Coating.	Major	Measure	Each Batch	Random	IS:4759:1996	IS:4759:1996	Galvanizer's QC Records.	√	P	V	
		c) Mass of Zinc Coating	Major	Chem.	1 Sample/ Shift	Random	IS:4759:1996	IS:4759:1996	Galvanizer's QC Records.	√	P	V	
		d) Uniformity of zinc coating (Preece Test)	Major	Chem.	Sample/ Shift	Random	IS:2633:1986	IS:2633:1986	Galvanizer's QC Records	√	P	V	
		e) Adhesion test of zinc coating (Pivot Hammer Test/Knife Test)	Major	Chem.	Sample/ Shift	Random	IS:2633:1986	No Removal or Lifting of Coating between hammer impression/ coating should not be peeled off.	Galvanizer's QC Records	√	P	V	
2.41	Stenciling of Mark/Number	Marking	Major	Visual	100%	Random	Approved Drg.	Approved Drg.	Galvanizer's QC Records	√	P	V	At Both Ends with black Paint
3	**FINAL INSPECTION**												Test qty./ sample no.s shall be as per offered lot size and IS:2500 for reduced inspection level S-4- to be fixed at time of offering.
3.1	Fabrication Member after Galvanizing	a)Surface Finish, Defects & dichromating.	Major	Visual	100%	Random for each lot as per IS 2500 for reduced inspection	IS:2629:1985	IS:2629:1985	Final Inspection Report	√	P	W	
		b)Dimensions	Major	Measure	Random Sample from Each lot offered for inspection on single occasion	Random for each lot as per IS 2500 for reduced inspection	IS:4759:1996 IS:802-P-1:1978	IS:4759:1996 IS:802-P-1:1978		√	P	W	
3.2	Verification of basic material quality	a)Chemical Composition	Major	Chem.	Random sample from each lot offered for inspection on single occasion.	Random for each lot as per IS 2500 for reduced inspection	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Fabricator's Test Reports	√	P	V	Sample for chemical test to be sealed for third party lab or test to be witnessed at manufacturer's lab depending on availability of apparatus.
		b)Tensile Test (TS,YS,%E)	Major	Mech.	Random sample from each lot offered for inspection on single occasion.	Random for each lot as per IS 2500 for reduced inspection	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Fabricator's Test Reports	√	P	W	

MANUFACTURING QUALITY PLAN (MQP)

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MQP NO.:		**CONTRACT NO.:**	
REV. NO.:		**CONTRACTOR:**	
DATE :		**CUSTOMER :**	BHEL

Sr. No.	Component & Operation	Characteristics	Class	Typ of Check	Quantum of Check		Reference Document	Acceptance Norms	Format of Record		Agency		Remarks
					M	C					M	C	
1	2	3	4	5	6		7	8	9	D	10		11
		c)Bend Test	Major	Mech.	Random sample from each lot offered for inspection on single occasion.	Random for each lot as per IS 2500 for reduced inspection	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Approved Drg. IS:2062:1992 IS:8500:1991 IS:228:1987 IS1608:1995 IS:1599:1985	Fabricator's Test Reports	√	P	W	
3.3	Fillet Welding Quality	Weld Quality	Major	Visual	100%	Random for each lot as per IS 2500 for reduced inspection	IS:822:1970 & As per Approved Drg.	IS:822:1970 & As per Approved Drg.	Fabricator's Test Reports	√	P	W	W=Random10%. Butt weld not permitted.
3.4	Galvanizing	a)Thickness of Zinc Coating	Critical	Measure	Random	Random for each lot as per IS 2500 for reduced inspection	IS:2629:1985/ As per tech. spec.	IS:2629:1985/ As per tech. spec.	Fabricator's QC Reports	√	P	W	
		b)Mass of Zinc coating	Critical	Measure	Sample/ each thickness offered for insp. on single occasion	Random for each lot as per IS 2500 for reduced inspection	IS:6745:1972/ As per tech spec.	IS:6745:1972/ As per tech spec.	Fabricator's QC Reports	√	P	W	
		c)Uniformity of Zinc Coating	Critical	Measure	Sample/ each thickness offered for insp. on single occasion	Random for each lot as per IS 2500 for reduced inspection	IS:2633:1986/ As per tech spec.	IS:2633:1986/ As per	Fabricator's QC Reports	√	P	W	
		d)Adhesion Test of Zinc Coating (Pivot Hammer/Knife Test)	Critical	Measure	Sample/ each thickness offered for insp. on single occasion	Random for each lot as per IS 2500 for reduced inspection	IS:2629:1985	IS:2629:1985	Fabricator's QC Reports	√	P	W	
3.5	Review of Documents (TC/TR)	a)Document Review	Major	Review		Random	As Applicable	As Applicable	As Per QA Plan	√	P	V	
4	PACKING STORING /BUNDLING & HANDLING	Packing	Major	Visual	Every Lot	Random	IS:802-P-1:1978	Piece of light sections to wire bundled & heavy sections to be supplied loose. Stacking to have proper ventilation.	As Per QA plan	√	P	V	1)Sequential supplies to be monitored & assured by main contractor.
5	DESPATCH	Verification a)Sequential supplies b)Stenciling/Part No. c)Quality	Major	Review	As per packing List	Random	Appd. Drgs. & BOM	Appd. Drgs. & BOM	Fabricator's Dispatch Records	√	P	V	2)Material rejected by Customer shall be kept under separated custody marked with plant till all the supplies are dispatched to site or destroyed by cutting Presence of Customer Representative.

LEGEND:

M: MANUFACTURER
C:BHEL and/or WBSEDCL
D:DOCUMENT
P:PERFORM
W:WITNESS
V: VERIFICATION

MANUFACTURER CUSTOMER

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017, P-45021/2/2017-PP (BE-II) dated 28.05.2018 & P-45021/2/2017-PP (BE-II) dated 29.05.2019 we hereby certify that

……

(Supplier name) are local supplier meeting requirement of minimum local content (50%) defined in as above orders for the material against Enquiry No.

AKPBOS0008 dtd. 06.12.2019 for MMS-Super Structure for 50 MWp Solar PV power plant at for SCCL Ramagundam, Telangana.Details of location at which local value addition will be made is as follows:

……

……

……

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized signatory with date

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi – 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for _____

_____

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in

order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further 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 the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 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.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidders(s)/ Contractor(s) from the tender process or take action as per the separate “Guidelines for Suspension of Business Dealings with Suppliers/ Contractors” framed by the Principal.

Section 4 – Compensation for Damages

4.1 If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 – Previous Transgression

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/ Contractors/ Sub-contractors

6.1 The Bidder(s)/ Contractor(s) undertake(s) to demand from his sub-contractors a commitment consistent with this Integrity Pact. This commitment shall be taken only from those sub-contractors whose contract value is more than 20% of Bidder's/ Contractor's contract value with the Principal.

6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 – Criminal Charges against violating Bidders/ Contractors /Sub-contractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 –Independent External Monitor(s)

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or

take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.

8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.8 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.9 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.10 The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

9.1 This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded.

9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 – Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

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For & On behalf of the Principal	For & On behalf of the Bidder/ Contractor
(Office Seal)	(Office Seal)

Place----------

Date----------

Witness: _____	Witness: _____
(Name & Address) _____	(Name & Address)_____
_____	_____

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 04

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. <u>GUIDELINES FOR PREPARATION OF OFFER:</u>

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, totalling 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. <u>GUIDELINES FOR OFFER SUBMISSION:</u>

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: e-Procurement Technologies Limited (abc Procure)
   Website address: https://bhel.abcprocure.com
   Helpline no.: +91-79-68136819/809/862/867/823/872/842 (9:30 am to 5:30 pm)
   10:00 AM - 07:00 PM (Monday - Friday)
   10:00 AM-04:00 PM (Saturday)
   Purchase Executive / BHEL will not be responsible for any of the activities relating to submission of offer.

D. <u>PROCESSING OFFERS RECEIVED:</u>

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. <u>INFORMATION ON PAYMENT TERMS:</u>

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.

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

O&M: 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.

I&C: 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.

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

Please see last page (Page No.9) for Loading Factors for foreign Purchase

*** 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 25% of the requirement against this tender provided. Minimum of 3% reservation for women owned MSEs within the above mentioned 25% reservation.

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. 25% of the 25% (i.e. 6.25% 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 6.25% 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

Clause G of ITB: Loading Factors for Foreign Purchases

Nature of Deviation / Offered Terms	**Loading %**
100% Sight Draft	1 %
100% Usance LC with 45 days credit	2.5 %
100% LC at Sight	4.5 %

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: GCC - Rev 03

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.

Definitions: 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.
e) "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;
c) 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:

1. **Price Basis:** 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 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. **Documentation:** 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. **Transit Insurance:** 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. **Progress report:** 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. **Non-disclosure and Information Obligations: Vendor** 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. **Cancellation / Termination of contract:** 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.
    Transit Damages: 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. **Indemnity Clause:** 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. **Intellectual Property Rights, Licenses:** 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. **Force Majeure:** 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. **Limitation of Liability:** 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. **Liability after guarantee / warranty period:** 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. **Compliance with Laws:** 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. **Settlement of Disputes:** 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. **Applicable Laws and Jurisdiction of Courts:** 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. **General Terms:** 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.

33. Vendors shall provide their state wise list of GSTIN number as per Govt of India Statute.

34. If the vendor is below the threshold limit, viz Rs.20. lacs as per existing provisions, then a declaration to be provided to that effect along with copy of accounts, failing which the supplier will be treated as an Unregistered dealer (URD) for which tax is payable on reverse charge (RCM) by BHEL.
35. If the vendor is above the threshold limit & is yet not registered, GST is payable by BHEL on reverse charge basis.
36. All supply items are linked to HSN code (Harmonised System Nomenclature). This goods list is mapped with HSN code which is released by Govt of India & available in public domain. All registered suppliers submitting the quote shall mandatorily mention HSN code relevant for the goods quoted.
37. Under GST, Govt of India has linked every service to a service accounting code called SAC. The list of services and the corresponding service accounting code (SAC) is released by Govt of India & available in public domain. All registered suppliers submitting the quote shall mandatorily mention SAC code relevant for the service quoted.
38. The rate of tax applicable for 35 services is also released by Government and rate for any service not falling in the list of 35 services is 18% .

39. Invoice should contain all particulars as per invoice Rules and should include the GST registration number (GSTIN) , service accounting code (SAC) apart from all other details mentioned.
40. Invoice should contain all particulars as per invoice Rules and should include the GST registration number (GSTIN) , HSN code apart from all other details mentioned.
41. In case GST is payable on reverse charge (RCM) invoice should mention that tax is payable on reverse charge
42. For a registered supplier, the supplier uploaded sales data for the month will be available to recipient on 11th of the subsequent month & details can be verified by BHEL. Credit availment can be confirmed based on this verified data
43. If the Supplier is not registered, then tax is payable on Reverse charge & will be to the account of the supplier
44. All services in the course of business or furtherance of business are eligible to credit subject to other compliances listed herein.
45. If service is eligible for credit, then the credit can be availed only if the invoice is as per the prescribed format, the supplier has uploaded the invoice in the GSTN portal, paid the taxes & uploaded the return, and matches with our inward data, failing which any availment of credit attracts interest.
46. Even in case of services where credit is not eligible,

    (i) either the supplier should have registered (if above threshold limit) & comply with all above statutory provisions relating to invoice, tax remittance, return filing etc. This can be verified by BHEL from the GSTN portal OR
    (ii) if not registered BHEL shall be liable to pay applicable taxes on reverse charge

47. For any deficiency in services, where a recovery is made / adjusted in supplier bills, the supplier has to raise a credit note on BHEL & upload in GSTN portal. All above rules applicable for invoice also apply for credit note.
48. All notifications and rules as per central board of excise and customs will be applicable.

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
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
D55	SLOVAKIA	EURO	BARTISLOVA
D56	SAUDI ARABIA	SAR	RIYADH
D57	TURKEY	EURO	ISTANBUL
D58	THAILAND	USD	BANGKOK
D59	BRAZIL	USD	SAO PAULO, RIO DE JANEIRO

ANNEXURE - II

REQUEST FOR C FORM

NAME OF VENDOR :

VENDOR CODE ALLOTED BY BHEL :

E mail id for c form correspondence :

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

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.

ANNEXURE D

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (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 _____[1] through its Unit até é é é é é é ..(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) with its registered office at_____[2] hereinafter referred to as the ' Vendor / Contractor / Supplier ', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref Noé é é é é é é dated é é é é é é é é é é é é é .[3] valued at Rsé é é [4] (Rupees ----------)/FCé é é é é é (in wordsé é é ..) for é é é é é é é é é é [5] (hereinafter called the 'Contract') and the Vendor / Contractor / Supplier having agreed to provide a Contract Performance Bank Guarantee, equivalent to é é % (é . Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we, é é é é é é é , (hereinafter referred to as the Bank), having registered/Head office at é é é é é . and inter alia a branch at é é é é 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 ---------- [6] (Rupees ----------) without any demur, immediately on first demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor / Contractor / Supplier 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 Vendor / Contractor / Supplier shall have no claim against us for making such payment.

We the é é é é é é é é 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 é é é é é ..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 Vendor / Contractor / Supplier and notwithstanding any security or other guarantee that the Employer may have in relation to the Vendor / Contractor / Supplier 's liabilities.

This Guarantee shall remain in force upto and includingé é é é é é é é é é .. [7] and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Vendor / Contractor / Supplier 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 é é é é é é é é é é é .[8]we shall be discharged from all liabilities under this guarantee thereafter.

We, é é é é é é BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

a) The liability of the Bank under this Guarantee shall not exceedé é é é é é é é é [6]
b) This Guarantee shall be valid up to é é é é é [7]
c) Unless the Bank is served a written claim or demand on or before _____[8] 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)

Datedé é é é é .

Place of Issueé é é é é .

[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

Note:

1. Units are advised that expiry of claim period may be kept 3-6 months after validity date. It may be ensured that the same is in line with the agreement/ contract entered with the Vendor.

2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee.

3. In line with the GCC, SCC or contractual terms, Unit may carry out minor modifications in the Standard BG Formats. If required, such modifications may be carried out after taking up appropriately with the Unit/Regionôs Law Deptt.

4. **In Case of Bank Guarantees submitted by Foreign Vendors-**

   a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e. Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.

   b. **From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)**

   b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bankôs (BHELôs Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.

   b.2 **In case, Foreign Vendors intend to provide BG from** Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at **sl.no. b.1** will required to be followed.

   b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.

ANNEXURE - IV

Electronic Funds Transfer (EFT) OR
Paylink Direct Credit Form

Please Fill up the form in **CAPITAL LETTERS** only.
TYPE OF REQUEST(Tick one): _____ CREATE _____ CHANGE

BHEL Vendor / Supplier Code:	
Company Name :	
Permanent Account Number(PAN):	
Address	

City: _____ PINCODE _____ STATE _____

Contact Person(s)	
Telephone No:	
Fax No:	
e-mail id:	

1 Bank Name:	
2 Bank Address:	
3 Bank Telephone No:	
4 Bank Account No:	
5 Account Type: Savings/Cash Credit	
6 9 Digit Code Number of Bank and branch appearing on MICR cheque issued by Bank	
7 Bank swift Code(applicable for EFT only)	
8 Bank IFSC code(applicable for RTGS)	
9 Bank IFSC code(applicable for NEFT)	

A I hereby certify that the particulars given above are true, correct and complete and that I, as a representative for the above named Company, hereby authorise BHEL, EDN, Bangalore to electronically deposit payments to the designated bank account.

B If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transfering Bank responsible.

C This authority remains in full force until BHEL, EDN,Bangalore receives written notification requesting a change or cancellation.

D I have read the contents of the covering letter and agree to discharge the resposibility expected of me as a participant under ECS / EFT.

Date:

Authorised Signatory:
Designation: Telephone NO. with STD Code

Company Seal

Bank Certificate

We certify that_____has an Account No_____ with us and we confirm that the bank details given above are correct as per our records.

Date: (……..)
Place: Signature

Please return completed form along with a blank cancelled cheque or photocopy thereof to:
Bharath Heavy Electricals Ltd,
Attn:
Electronics Division, Mysore Road,
BANGALORE - 560 026
In case of any Querry, please call : 080-26998xxx / 2674xxxx or fax no. 080-2674xxxx

List of Consortium Banks

Sl. No	Nationalised Banks	Sl. No	Public Sector Banks
1	State Bank of India	18	IDBI
2	Allahabad bank		
3	Andhra bank	**Sl. No**	**Private banks**
4	Bank of Baroda	19	Axis Bank
5	Canara Bank	20	HDFC
6	Corporation bank	21	ICICI
7	Central bank	22	The Federal Bank Limited
8	Indian Bank	23	Kotak Mahindra Bank
9	Indian Oversea Bank	24	Indusind Bank
10	Oriental bank of Commerce	25	Yes Bank
11	Punjab National Bank		
12	Punjab & Sindh Bank	**Sl. No**	**Foreign banks**
13	Syndicate Bank	26	CITI Bank N.A
14	UCO Bank	27	Deutsche Bank AG
15	Union Bank of India	28	HSBC
16	United Bank of India	29	Standard Chartered Bank
17	Vijaya Bank	30	J P Morgan

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 ……
…… ……..(Hereinafter referred to as `Company') having its registered office at …….. is registered under MSMED Act 2006, (Entrepreneur Memorandum No ((Part-II) …… dtd …… Category: …… (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year **…….. as per MSMED Act 2006 is as follows:**

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e., original cost excluding land and building and the items specified by the Ministry of Small Industries vide its notification No.S.O.1722 (E) dated October 5, 2006:
Rs. ……..Lacs.

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:
Rs. ……..Lacs.

The above investment of Rs. …… Lacs in within permissible limit of Rs…… Lacs for……..Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

(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 gazette notification dated 04.11.2013 by Ministry of MSME.

Date:
(Signature)
Name -
Membership Number -

Seal of Chartered Accountant

Public Procurement (Preference to Make in India)

"For this procurement, Public Procurement (Preference to Make in India),Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and /or local content in respect of this procurement, same shall be applicable."

Arbitration Clause in case of Contract with contractors/vendors /consultants other than Public Sector Enterprise (PSE) or a Government Department:

ARBITRATION & CONCILIATION

The parties shall attempt to settle any disputes or difference arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract, or in connection with this contract through friendly discussions. In case no amicable settlement can be reached between the parties through such discussions, in respect of any dispute; then, either Party may, by a notice in writing to the other Party refer such dispute or difference to the sole arbitration of an arbitrator appointed by Head of the BHEL – EDN. Such Sole Arbitrator appointed, shall conduct the arbitration in English language.

The Arbitrator shall pass a reasoned award and the award of the Arbitration shall be final and binding upon the Parties.

Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat of arbitration shall be Bangalore.

The cost of arbitration shall be borne as decided by the Arbitrator upon him entering the reference.

Subject to the Arbitration Clause as above, the Courts at Bangalore alone shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.

Notwithstanding the existence or any dispute or differences and/or reference for the arbitration, the parties shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and efficiency in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

Arbitration Clause in case of Contract with contractors/vendors /consultants when they are a Public Sector Enterprise (PSE) or a Government Department:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the Contract, such dispute or difference shall be referred by either party for Arbitration to the Sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The Arbitration and Conciliation Act, 1996 shall not be applicable to arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any Party aggrieved by such Award may make further reference for setting aside or revision of the Award to the Law Secretary, Department of Legal Affairs, Ministry of Law and Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary or Additional Secretary when so authorized by the Law Secretary, whose decision shall bind the Parties hereto finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.''

Guidelines for Reverse Auction - 2016

Issued on 26.09.2016

(Applicable for all NITs issued on or after 26.11.2016)

(AA:SSP:RA:03)

ABRIDGED VERSION

Sourcing Strategy & Policy

Corporate Operations Management

BHEL, New Delhi

(Note: Abridged version for the information of the bidders)

1.0 Scope

This document describes the guidelines to be followed by each Unit/ Division/ Region for conducting reverse auction for procurement of material/ services/ works. These guidelines will be applicable for all purchases/ contracts to be awarded under extant policy and the Reverse Auction shall follow the philosophy of English Reverse (No ties).

English Reverse (No ties) is a type of auction where the starting price and bid decrement are announced before start of online reverse auction. The interested bidders can thereupon start bidding in an iterative process wherein the lowest bidder at any given moment can be displaced by an even lower bid of a competing bidder, within a given time frame. The bidding is with reference to the current lowest bid in the reverse auction. All bidders will see the current lowest quoted price and their rank. The term 'No ties' is used since more than one bidder cannot give an identical price, at a given instant, during the reverse auction. In other words, there shall never be a tie in the bids.

2.0 Intent of Reverse Auction (RA)

To derive maximum benefit in cost savings through competitive bidding.

3.0 Terms in NIT

Wherever it is felt that procurement may be done through Reverse Auction, the bids shall be invited in two parts/ three parts or single part bid (Price Bid) where Techno-Commercial MoU already exists. Wherever, the evaluation is done for individual line item, separate envelope sealed price bid for each line item shall be taken.

Decision to go for RA would be taken after evaluation of techno-commercial bids. The NIT would contain following **clause**:

"*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,***

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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)."

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

6.0 Business rules for RA

Business rules (annexure-I) are attached.

7.0 Role of Service Provider

- Acknowledge the receipt of mandate from BHEL.
- Contact the bidders, provide business rules and train them, as required.
- Get the process compliance form signed by all the participating bidders before RA event.
- Conduct the event as per the contract and business rules.
- Submit the login reports, results, history sheet and authorized final bid from the bidders.
- To obtain price breakup including that of line items (wherever required) from successful bidder and submit the same to BHEL.

8.0 Receipt of Techno-Commercial Bids & Evaluation

Suppliers are required to submit their best price bid in a separate sealed cover along with techno-commercial bid. After evaluation of Techno-Commercial Bids:

a) In case BHEL decides not to conduct RA, the envelope sealed price bids of all techno-commercially qualified bidders, along with price impact, if any, should be opened and processed as per extant Policy.

b) In case BHEL decides to conduct RA, business rules of RA will be sent to service provider.

12.0 Reverse Auction Process

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12.1 Reverse auction process is deemed to have been started upon receipt of 'Online Sealed Bids' from the bidders within the prescribed time frame as per Business Rules. After receipt of 'online sealed bids', start price & bid decrement will be decided by BHEL and the same shall be communicated to the service provider, to start the bidding process. Only those bidders who have submitted the 'online sealed bid' within the scheduled time shall be eligible to participate further in RA process. However, the H1 bidder (whose quote is highest in online sealed bid) will not be allowed to participate in further RA process provided minimum three bidders are left after removal of H1 bidder.

In case of tie for H1 bid (identical online sealed bids), 15 minutes additional time shall be provided and all the participating bidders shall be informed by mail/ message on bidding screen to enable bidders submit revised online sealed bids so as to break the tie.

12.2 All bidders who had given online sealed bid will see their rank and L1 price and their ranking L1, L2 etc. would be based on their last quoted price irrespective of quote received in RA or online sealed bid.

13.0 Failure of RA

RA shall be treated as failed in the following scenarios:

a) In case no bidder accepts the start price.

b) In cases where the number of online sealed bids are less than four before removal of highest bidder.

c) In cases of tie among H1 bidders, even after extension of submission of online sealed bids once by 15 minutes.

Wherever, the evaluation is done for individual line items, RA shall be treated as failed only for those line item(s) for which any of the above a), b) or c) satisfies.

14.0 Treatment of RA failed scenarios:

In cases of failure of RA, sealed envelope price bids (of item(s) for which RA has failed) of all the techno-commercially qualified bidders shall be opened and the tender shall be processed accordingly. However, the envelope sealed bid(s) of techno-commercially acceptable bidder(s) who had agreed to participate in the RA and had failed to submit the online sealed bid shall not be opened.

15.0 Processing of case after RA

15.1 After declaring L1 upon completion of RA, the envelope sealed price bid of L1 bidder shall also be opened for placement of order on lower of the two bids (RA closing price & envelope sealed price) and file is to be processed as per extant policy provisions. Action as per NIT terms is to be taken if online sealed bid is higher than the envelope sealed bid.

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15.2 Relative position of bidders (for usage in cases of predefined splitting the quantities) shall also include bidders who have given 'online sealed bids' but have not given further bids in auction. In case of splitting requirement, H1 bidder may also be considered for counter offer if the pre-stated (NIT) numbers of suppliers do not accept the counter offer.

15.3 In case H1 bidder happen to be MSE and was removed from further bidding but is within L1 + 15% band, then this bid shall also be considered and to be processed in line with 'Public Procurement Policy for Micro & Small Enterprises (MSEs) order, 2012'.

15.4 For providing preference to Domestically manufactured Electronic Products, in accordance with Department of Electronics and Information Technology (DeitY) Gazette Notification No. 33(3)/2013-IPHW dated 23.12.2013 and its related notifications issued from time to time, H1 bidder removed from further bidding may be considered for counter offer to meet domestic bidder requirement for the item(s) under procurement.

17.0 Processing of cases where RA is not done

In case BHEL decides not to go for Reverse Auction for the tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.

18.0 Others

18.2 In case of enquiry through e-Procurement, the sealed electronic price bid (e-bid) is to be treated as sealed envelope price bid.

18.3 BHEL will inform bidders the details of service provider who will provide business rules, all necessary training and assistance before commencement of online bidding on internet.

18.4 Bidders are advised to read the 'Business Rules' indicating details of RA event carefully, provided by the Service provider, before reverse auction event.

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Annexure – I

Business Rules for Reverse Auction

This has reference to tender no **{tender number….date…}**. BHEL shall finalise the Rates for the supply of {item name} through Reverse Auction mode. BHEL has made arrangement with M/s. {Service provider}, who shall be BHEL's authorized service provider for the same. Bidders should go through the instructions given below and submit acceptance of the same.

The technical & commercial terms are as per (a) BHEL Tender Enq. No. {...} dated {...}, (b) Bidders' technical & commercial bid (in case of two part bid) and (c) subsequent correspondences between BHEL and the bidders, if any.

1. Procedure of Reverse Auctioning

i. **Online Sealed Bid:** This duration of online sealed bid will be {…} minutes. All bidders to submit their online sealed bids during this period.

ii. Online Reverse Auction: The 'opening price' i.e. start price for RA and 'bid decrement' will be decided by BHEL.

iii. If BHEL decides the lowest online sealed bid as the starting price, then the lowest bidder in online sealed bid shall be shown as current L1 automatically by the system and no acceptance of that price is required. System shall have the provision to indicate this bid as current L1.

iv. Bidders by offering a minimum bid decrement or the multiples thereof can displace a standing lowest bid and become "L1" and this continues as an iterative process.

v. After the completion of the online reverse auction, the Closing Price (CP) shall be available for further processing.

2. Schedule for Reverse Auction: The Reverse Auction is tentatively scheduled on {date}: and the duration of online sealed bid will be {…} minutes. All bidders to submit their online sealed bids during this period.

- Online Sealed Bid:-

• *{Start Time:*

• *Close Time: }*

- Online Reverse Auction:-

• *{Start Time:*

• *Close Time:}*

3. Auction extension time: If a bidder places a bid in the last {…} minutes of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another {…} minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note

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that the auto-extension will take place only if a bid comes in those last {…} minutes and if that bid gets accepted as the lowest bid. If the bid does not get accepted as the lowest bid, the auto-extension will not take place even if that bid might have come in the last {…} minutes. In case, there is no bid in the last {…} minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, bidders are advised not to wait till the last minute or last few seconds to enter their bid during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc.

The above process will continue till completion of Reverse Auction. Complaints/ Grievances, if any, regarding denial of service or any related issue should be given in writing thru e-mail/ fax to M/s. {Service provider} with a copy to BHEL within 15 minutes prior to initial closing time of Online Reverse Auction.

4. **Bid price:** The Bidder has to quote the {……} Price inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form, Freight (bidder to provide original Freight paid receipt), insurance charges, etc. including loading (if indicated by BHEL due to deviations in technical/ commercial terms) for the Items specified. Details are as shown in Excel Sheet for calculation of total cost to BHEL (To be specified by Unit as per NIT conditions).

5. **Bidding currency and unit of measurement:** Bidding will be conducted in *Indian Rupees per Unit* of the material as per the specifications {...} In case of foreign currency bids, exchange rate (TT selling rate of State Bank of India) as on scheduled date of tender opening (Part-I bid) shall be considered for conversion in Indian Rupees. If the relevant day happens to be a Bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken.

6. **Validity of bids:** Price shall be valid for {… *days*} from the date of reverse auction. These shall not be subjected to any change whatsoever.

7. **Lowest bid of a bidder:** In case the bidder submits more than one bid, the lowest bid at the end of Online Reverse Auction will be considered as the bidder's final offer to execute the work.

8. Bidders shall be assigned a **Unique User Name** & **Password** by M/s. *{Service provider}*. Bidders are advised to change the Password and edit the information in the Registration Page after the receipt of initial Password from M/s. *{Service provider}* to ensure confidentiality. All bids made from the Login ID given to the bidders will be deemed to have been made by the bidders/ bidders' company.

9. **Post auction procedure:** BHEL will proceed with the Lowest Bid in the Reverse Auction for further processing.

10. Any commercial/ technical loading shall be intimated to bidders prior to RA. The excel sheet provided in this regard shall cover all these aspects. Commercial/ technical loading if any, shall be added by the respective bidder in its price during online sealed bid & Online Reverse Auction. Modalities of loading & de-loading

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shall be separately intimated to the bidders. The responsibility for correctness of total cost to BHEL shall lie with the bidders.

11. Computerized reverse auction shall be conducted by BHEL (through M/s. *{Service Provider}*), on pre-specified date, while the bidders shall be quoting from their own offices/ place of their choice. Internet connectivity shall have to be ensured by bidders themselves.

During the RA process if a bidder is not able to bid and requests for extension of time by FAX/ email/ phone then time extension of additional 15 minutes will be given by the service provider provided such requests come before 5 minutes of auction closing time. However, only one such request per bidder can be entertained.

Despite this extension if bidder fails to upload his prices due to extreme case of failure of Internet connectivity, (due to any reason whatsoever may be) it is the bidders' responsibility/ decision to send fax communication immediately to M/s. *{Service provider}*, furnishing the price the bidder wants to bid online with a request to the service provider to upload the faxed price online so that the service provider will upload that price online on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to service provider has to solely ensure that the fax message is received by the service provider in a readable/ legible form and also the Bidder should simultaneously check up with service provider about the clear receipt of the price faxed. It shall also be clearly understood that the bidder shall be at liberty to send such fax communications of prices to be uploaded by the service provider only within the closure of Bid time and under no circumstance it shall be allowed beyond the closure of Bid time /reverse auction. It shall also be noted that the service provider should be given a reasonable required time by the bidders, to upload such prices online and if such required time is not available at the disposal of the Service provider at the time of receipt of the fax message from the bidders, the service provider will not be uploading the prices and either BHEL or the service provider are not responsible for this unforeseen circumstances. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power or loss of connectivity at the premises of bidders during the Reverse auction cannot be the cause for not participating in the reverse auction. On account of this, the time for the auction cannot be extended and neither BHEL nor M/s. *{Service provider}* is responsible for such eventualities.

12. Proxy bids: Proxy bidding feature is a pro-bidder feature to safeguard the bidder's interest of any internet failure or to avoid last minute rush. The proxy feature allows bidders to place an automated bid in the system directly in an auction and bid without having to enter a new amount each time a competing bidder submits a new offer. The bid amount that a bidder enters is the minimum that the bidder is willing to offer. Here the software bids on behalf of the bidder. This obviates the need for the bidder participating in the bidding process until the proxy bid amount

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is decrementally reached by other bidders. When proxy bid amount is reached, the bidder (who has submitted the proxy bid) has an option to start participating in the bidding process. The proxy amount is the minimum amount that the bidder is willing to offer. During the course of bidding, the bidder cannot delete or change the amount of a proxy bid. Bids are submitted in decrements (decreasing bid amounts). The application automates proxy bidding by processing proxy bids automatically, according to the decrement that then auction originator originally established when creating the auction, submitting offers to the next bid decrement each time a competing bidder bids, regardless of the fact whether the competing bids are submitted as proxy or standard bids. However, it may please be noted that if a manual bid and proxy bid are submitted at the same instant manual bid will be recognized as the L1 at that instant. In case of more than one proxy bid, the system shall bid till it crosses the threshold value of 'each lowest proxy bid' and thereafter allow the competition to decide the final L1 price. Proxy bids are fed into the system directly by the respective bidders. As such this information is privy only to the respective bidder(s).

13. Bidders are advised to get fully trained and clear all their doubts such as refreshing of screen, quantity being auctioned, tender value being auctioned etc from M/s. *{Service provider}*.

14. M/s. *{Service provider}*, shall arrange to demonstrate/ train the bidder or bidder's nominated person(s), without any cost to bidders. M/s. *{Service provider}*, shall also explain the bidders, all the business rules related to the Reverse Auction. Bidders are required to submit their acceptance to the terms/ conditions/ modalities before participating in the Reverse Auction in the process compliance form as enclosed. Without this, the bidder will not be eligible to participate in the event.

15. Successful bidder shall be required to submit the final prices (L1) in prescribed format (Annexure-VI) for price breakup including that of line items, if required, quoted during the Online Reverse Auction, duly signed and stamped as token of acceptance without any new condition (other than those already agreed to before start of auction), after the completion of auction to M/s. *{Service provider}* besides BHEL within two working days of Auction without fail.

16. Any variation between the final bid value and that in the confirmatory signed price breakup document will be considered as tampering the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings (as available on www.bhel.com).

17. Bidders' bid will be taken as an offer to execute the work/ supplies of the item as per enquiry no. {…} dt. {…}. Bids once made by the bidder, cannot be cancelled/ withdrawn and bidder shall be bound to execute the work as mentioned above at bidder's final bid price. Should bidder back out and not execute the contract as per the rates quoted, BHEL shall take action as per extant guidelines for suspension of business dealings (as available on www.bhel.com).

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18. Bidders shall be able to view the following on their screen along with the necessary fields during Online Reverse Auction:

a. Leading (Running Lowest) Bid in the Auction (only total price of package).
b. Bid Placed by the bidder.
c. Start Price.
d. Decrement value.
e. Rank of their own bid during bidding as well as at the close of auction.

19. BHEL's decision on award of contract shall be final and binding on all the Bidders.

20. BHEL reserves the right to extend, reschedule or cancel the Reverse Auction process at any time, before ordering, without assigning any reason, with intimation to bidders.

21. BHEL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause. In such cases, the decision of BHEL shall be binding on the bidders.

22. Other terms and conditions shall be as per bidder's techno-commercial offers and other correspondences, if any, till date.

23. If there is any clash between this business document and the FAQ available, if any, in the website of M/s. *{Service provider}*, the terms & conditions given in this business document will supercede the information contained in the FAQs. Any changes made by BHEL/ service provider (due to unforeseen contingencies) after the first posting shall be deemed to have been accepted if the bidder continues to access the portal after that time.

24. Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines for suspension of business dealings (as available on www.bhel.com), shall be initiated by BHEL.

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No. P-45021/2/2017-PP (BE-II)
Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
(Public Procurement Section)

Udyog Bhawan, New Delhi
Dated: 29th May, 2019

To

All Central Ministries/Departments/CPSUs/All concerned

ORDER

Subject: Public Procurement (Preference to Make in India), Order 2017 – Revision; regarding.

Department for Promotion of Industry and Internal Trade, in partial modification [Paras 3(a) and 14 modified and Para 10A added] of Order No.P-45021/2/2017-B.E.-II dated 15.6.2017 as amended by Order No.P-45021/2/2017-B.E.-II dated 28.05.2018, hereby issues the revised 'Public Procurement (Preference to Make in India), Order 2017" with immediate effect:-

Whereas it is the policy of the Government of India to encourage 'Make in India' and promote manufacturing and production of goods and services in India with a view to enhancing income and employment, and

Whereas procurement by the Government is substantial in amount and can contribute towards this policy objective, and

Whereas local content can be increased through partnerships, cooperation with local companies, establishing production units in India or Joint Ventures (JV) with Indian suppliers, increasing the participation of local employees in services and training them,

Now therefore the following Order is issued :

1. This Order is issued pursuant to Rule 153 (iii) of the General Financial Rules 2017.

2. **Definitions**: For the purposes of this Order:

   'Local content' means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

   'Local supplier' means a supplier or service provider whose product or service offered for procurement meets the minimum local content as prescribed under this Order or by the competent Ministries / Departments in pursuance of this order.

   'L1' means the lowest tender or lowest bid or the lowest quotation received in a tender, bidding process or other procurement solicitation as adjudged in the evaluation process as per the tender or other procurement solicitation.

   'margin of purchase preference' means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.

   'Nodal Ministry' means the Ministry or Department identified pursuant to this order in respect of a particular item of goods or services or works.

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'Procuring entity' means a Ministry or department or attached or subordinate office of, or autonomous body controlled by, the Government of India and includes Government companies as defined in the Companies Act.

'Works' means all works as per Rule 130 of GFR- 2017, and will also include *'turnkey works'*.

3. **Requirement of Purchase Preference :** Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to local suppliers in all procurements undertaken by procuring entities in the manner specified hereunder

a. In procurement of all goods, services or works in respect of which the estimated value of procurement is less than INR 50 Lakhs, only local suppliers shall be eligible to bid. However, in procurement of all goods, services or works, in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only local suppliers shall be eligible to bid irrespective of purchase value.

Provided that for any particular item, the Nodal Ministry / Department may also prescribe an upper threshold limit, below which procurement shall be made only from local suppliers.

Further provided that in any particular case of procurement, if the procuring authority is of the view that the goods, services or works of required quality / specifications etc. may not be available in the country, or sufficient capacity or competition does not exist domestically, and it is necessary to undertake global competitive bidding, the procuring authority may allow the same after recording reasons. In such cases, the provisions of sub-paragraph b or c, as the case may be, shall apply;

b. In the procurements of goods or works which are not covered by paragraph 3a and which are divisible in nature, the following procedure shall be followed;

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

ii. If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers, will be invited to match the L1 price for the remaining 50% quantity subject to the local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.

c. In procurements of goods or works not covered by sub-paragraph 3a and which are not divisible, and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed:-

i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1.

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ii. If L1 is not from a local supplier, the lowest bidder among the local suppliers, will be invited to match the L1 price subject to local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.

iii. In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

4. **Exemption of small purchases**: Notwithstanding anything contained in paragraph 3, procurements where the estimated value to be procured is less than Rs. 5 lakhs shall be exempt from this Order. However, it shall be ensured by procuring entities that procurement is not split for the purpose of avoiding the provisions of this Order.

5. **Minimum local content**: The minimum local content shall ordinarily be 50%. The Nodal Ministry may prescribe a higher or lower percentage in respect of any particular item and may also prescribe the manner of calculation of local content.

6. **Margin of Purchase Preference**: The margin of purchase preference shall be 20%.

7. **Requirement for specification in advance**: The minimum local content, the margin of purchase preference and the procedure for preference to Make in India shall be specified in the notice inviting tenders or other form of procurement solicitation and shall not be varied during a particular procurement transaction.

8. **Government E-marketplace**: In respect of procurement through the Government E-marketplace (GeM) shall, as far as possible, specifically mark the items which meet the minimum local content while registering the item for display, and shall, wherever feasible, make provision for automated comparison with purchase preference and without purchase preference and for obtaining consent of the local supplier in those cases where purchase preference is to be exercised.

9. **Verification of local content**:

   a. The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

   b. In cases of procurement for a value in excess of Rs. 10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.

   c. Decisions on complaints relating to implementation of this Order shall be taken by the competent authority which is empowered to look into procurement-related complaints relating to the procuring entity.

   d. Nodal Ministries may constitute committees with internal and external experts for independent verification of self-declarations and auditor's/ accountant's certificates on random basis and in the case of complaints.

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e. Nodal Ministries and procuring entities may prescribe fees for such complaints.

f. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

g. A supplier who has been debarred by any procuring entity for violation of this Order shall not be eligible for preference under this Order for procurement by any other procuring entity for the duration of the debarment. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities, in the manner prescribed under paragraph 9h below.

h. The Department of Expenditure shall issue suitable instructions for the effective and smooth operation of this process, so that:

   i. The fact and duration of debarment for violation of this Order by any procuring entity are promptly brought to the notice of the Member-Convenor of the Standing Committee and the Department of Expenditure through the concerned Ministry /Department or in some other manner;

   ii. on a periodical basis such cases are consolidated and a centralized list or decentralized lists of such suppliers with the period of debarment is maintained and displayed on website(s);

   iii. in respect of procuring entities other than the one which has carried out the debarment, the debarment takes effect prospectively from the date of uploading on the website(s) in the such a manner that ongoing procurements are not disrupted.

10. **Specifications in Tenders and other procurement solicitations**:

a. Every procuring entity shall ensure that the eligibility conditions in respect of previous experience fixed in any tender or solicitation do not require proof of supply in other countries or proof of exports.

b. Procuring entities shall endeavour to see that eligibility conditions, including on matters like turnover, production capability and financial strength do not result in unreasonable exclusion of local suppliers who would otherwise be eligible, beyond what is essential for ensuring quality or creditworthiness of the supplier.

c. Procuring entities shall, within 2 months of the issue of this Order review all existing eligibility norms and conditions with reference to sub-paragraphs 'a' and 'b' above.

d. If a Nodal Ministry is satisfied that Indian suppliers of an item are not allowed to participate and/ or compete in procurement by any foreign government, it may, if it deems appropriate, restrict or exclude bidders from that country from eligibility for procurement of that item and/ or other items relating to that Nodal Ministry. A copy of every instruction or decision taken in this regard shall be sent to the Chairman of the Standing Committee.

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e. For the purpose of sub-paragraph 10 d above, a supplier or bidder shall be considered to be from a country if (i) the entity is incorporated in that country, or ii) a majority of its shareholding or effective control of the entity is exercised from that country; or (iii) more than 50% of the value of the item being supplied has been added in that country. Indian suppliers shall mean those entities which meet any of these tests with respect to India."

10A. Action for non-compliance of the Provisions of the Order: In case restrictive or discriminatory conditions against domestic suppliers are included in bid documents, an inquiry shall be conducted by the Administrative Department undertaking the procurement (including procurement by any entity under its administrative control) to fix responsibility for the same. Thereafter, appropriate action, administrative or otherwise, shall be taken against erring officials of procurement entities under relevant provisions. Intimation on all such actions shall be sent to the Standing Committee.

11. **Assessment of supply base by Nodal Ministries**: The Nodal Ministry shall keep in view the domestic manufacturing / supply base and assess the available capacity and the extent of local competition while identifying items and prescribing minimum local content or the manner of its calculation, with a view to avoiding cost increase from the operation of this Order.

12. **Increase in minimum local content**: The Nodal Ministry may annually review the local content requirements with a view to increasing them, subject to availability of sufficient local competition with adequate quality.

13. **Manufacture under license/ technology collaboration agreements with phased indigenization**: While notifying the minimum local content, Nodal Ministries may make special provisions for exempting suppliers from meeting the stipulated local content if the product is being manufactured in India under a license from a foreign manufacturer who holds intellectual property rights and where there is a technology collaboration agreement / transfer of technology agreement for indigenous manufacture of a product developed abroad with clear phasing of increase in local content.

14. **Powers to grant exemption and to reduce minimum local content**: The administrative Department undertaking the procurement (including procurement by any entity under its administrative control), with the approval of their Minister-in-charge, may by written order, for reasons to be recorded in writing,

    a. reduce the minimum local content below the prescribed level; or
    b. reduce the margin of purchase preference below 20%; or
    c. exempt any particular item or supplying entities or class or classes of items or procuring or supplying entities from the operation of this Order or any part of the Order.

    A copy of every such order shall be provided to the Standing Committee and concerned Nodal Ministry / Department. The Nodal Ministry / Department concerned will continue to have the power to vary its notification on Minimum Local Content.

15. **Directions to Government companies**: In respect of Government companies and other procuring entities not governed by the General Financial Rules, the administrative Ministry or Department shall issue policy directions requiring compliance with this Order.

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16. **Standing Committee**: A standing committee is hereby constituted with the following membership:

    Secretary, Department for Promotion of Industry and Internal Trade—Chairman
    Secretary, Commerce—Member
    Secretary, Ministry of Electronics and Information Technology—Member
    Joint Secretary (Public Procurement), Department of Expenditure—Member
    Joint Secretary (DPIIT)—Member-Convenor

    The Secretary of the Department concerned with a particular item shall be a member in respect of issues relating to such item. The Chairman of the Committee may co-opt technical experts as relevant to any issue or class of issues under its consideration.

17. **Functions of the Standing Committee**: The Standing Committee shall meet as often as necessary, but not less than once in six months. The Committee

    a. shall oversee the implementation of this order and issues arising therefrom, and make recommendations to Nodal Ministries and procuring entities.

    b. shall annually assess and periodically monitor compliance with this Order

    c. shall identify Nodal Ministries and the allocation of items among them for issue of notifications on minimum local content

    d. may require furnishing of details or returns regarding compliance with this Order and related matters

    e. may, during the annual review or otherwise, assess issues, if any, where it is felt that the manner of implementation of the order results in any restrictive practices, cartelization or increase in public expenditure and suggest remedial measures

    f. may examine cases covered by paragraph 13 above relating to manufacture under license/ technology transfer agreements with a view to satisfying itself that adequate mechanisms exist for enforcement of such agreements and for attaining the underlying objective of progressive indigenization

    g. may consider any other issue relating to this Order which may arise.

18. **Removal of difficulties**: Ministries /Departments and the Boards of Directors of Government companies may issue such clarifications and instructions as may be necessary for the removal of any difficulties arising in the implementation of this Order.

19. **Ministries having existing policies**: Where any Ministry or Department has its own policy for preference to local content approved by the Cabinet after 1st January 2015, such policies will prevail over the provisions of this Order. All other existing orders on preference to local content shall be reviewed by the Nodal Ministries and revised as needed to conform to this Order, within two months of the issue of this Order.

20. **Transitional provision**: This Order shall not apply to any tender or procurement for which notice inviting tender or other form of procurement solicitation has been issued before the issue of this Order.

Arun Mahendru
29/5/2019.

(Arun Mahendru Bairaj)
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