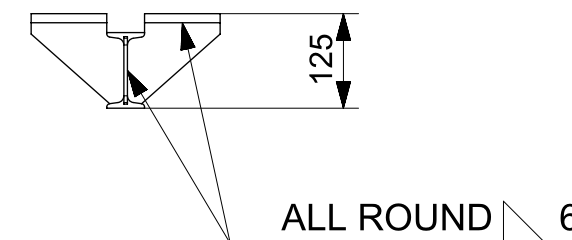
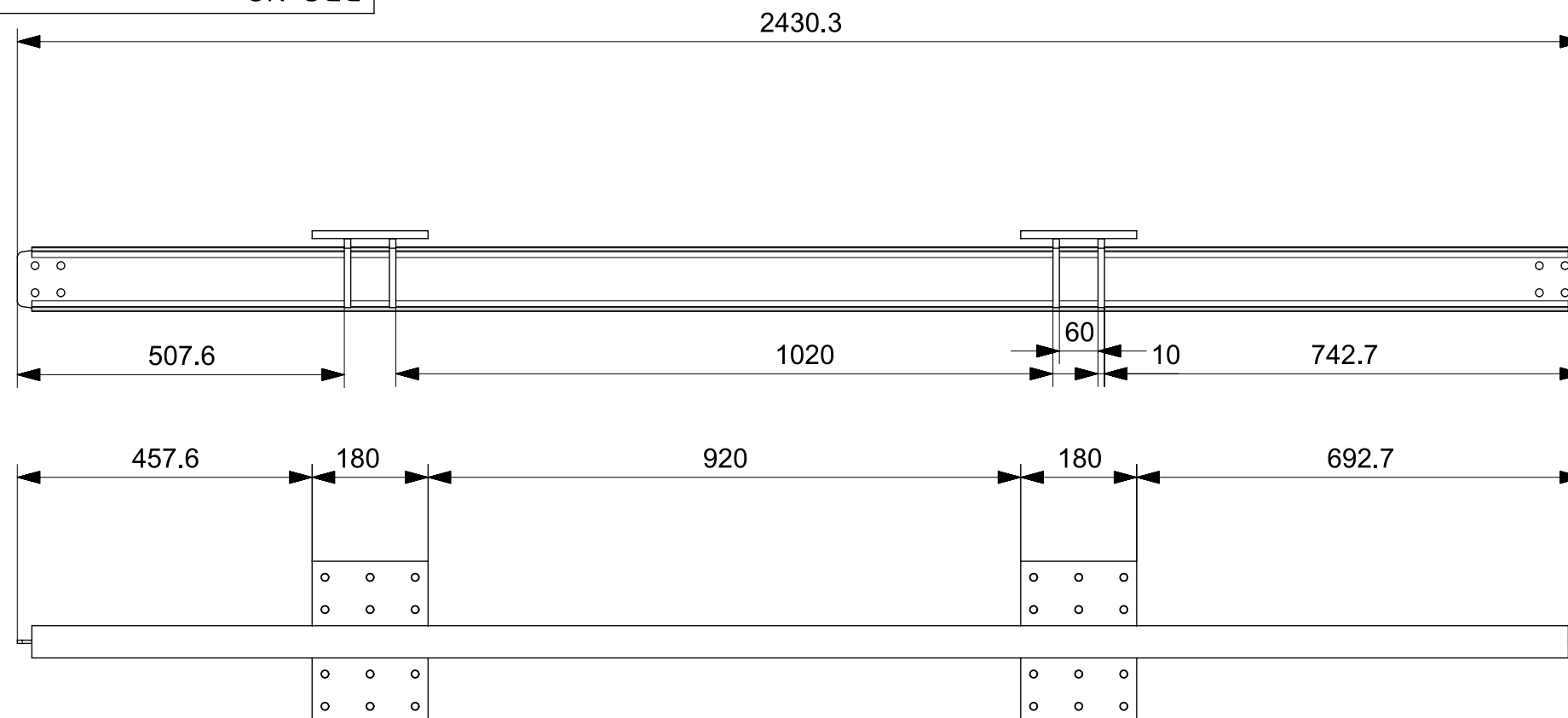
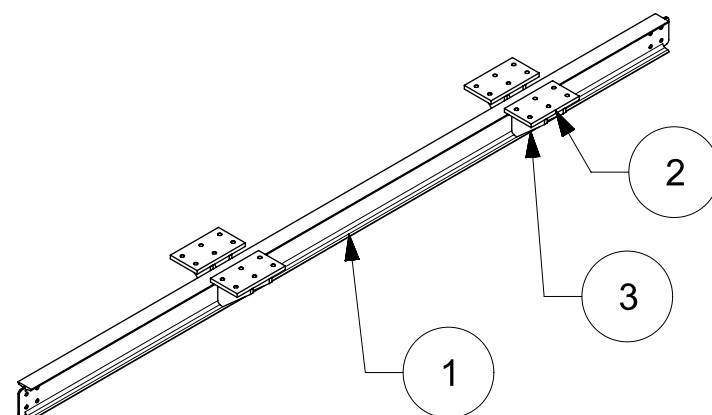


INVENTORY NO	SIGN.	AND DATE	COMP.	FILE NAME

12.5



3	STIFFENER FOR PAD	D-G-18-15-719-RD-33-19	0.615	4
2	INCLINED BEAM TO CHANNEL MIDDLE PAD	D-G-18-15-719-RD-33-12	1.637	4
1	MID BEAM MAIN BEAM	D-G-18-15-719-RD-33-21	21.428	1
POS NO	DESC	DRG NO / RAW MATL SIZE	WT (Kg)	QTY



				ASSEMBLY	ASSEMBLY	32.894
					ASSEMBLY	10
ITEM NO.	DESCRIPTION	DRAWING NO.	VAR. NO.	RAW MATERIAL SIZE OR CASTING DRG. NO. OR FORGING DRG. NO.	MATERIAL CODE	UNIT WT
					MATERIAL SPECN.	QUANTITY

THE FOLLOWING CONDITIONS APPLY
EXCEPT OTHERWISE STATED....

1. REF. TO HY032030261 FOR
UNSPECIFIED TOLERANCES.
2. CHAMFER M/CD. SHARP EDGES 1.2 TO 1.0
AT 45°.
3. INTERNAL M/CD. CORNER RADII 1 TO 0.7
4. THE SURFACE ROUGHNESS WHEREVER NOT
SHOWN SHALL BE TAKEN FROM THE SURFACE
ROUGHNESS SHOWN OUT SIDE BACK SLASHES
GIVEN AT THE TOP MOST RIGHT CORNER
OF THE DRG.

TYPE OF PRODUCT SOLAR BASED EV CHARGING STATION
OR
NAME OF CUSTOMER/PROJECT



BHARAT HEAVY ELECTRICALS LTD.
CORPORATE R&D DIVISION
HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR. NA
DRN.	K.B.E		09.08.2016	
CHD.	NAGESH/GAUTAM		09.08.2016	
APPD.	ESWAR RAO		09.08.2016	

DEPT. KBE		SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
CODE 30		NA	32.894	D-G-18-15-719-RD-33-2	50	3

TITLE
LONGITUDINAL MID BEAM ASSY

CARD
CODE
NA

DRAWING NO.	REV.
D-G-18-15-719-RD-33-20	00

SHEET No.: 1 NO OF SHEETS: 1

INVENTORY NO.

SIGN. & DATE

REF. DRG. NO.

COMPUTER NO.

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IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

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

Technical drawing of a stiffener for a pad. The drawing includes three views: a front view, a side view, and an isometric view. The front view shows a profile with a total width of 122.6 mm and a total height of 107 mm. The top horizontal edge has a width of 100 mm. The left vertical edge has a height of 107 mm. The bottom horizontal edge has a width of 18.8 mm. The right vertical edge has a height of 15 mm. The top horizontal edge is divided into segments of 22.6 mm and 100 mm. The bottom horizontal edge is divided into segments of 18.8 mm and 10 mm. The drawing includes fillets with radii R9 and R4.5. An angle of 98° is indicated. A dimension of 67.2 mm is shown for the vertical distance from the bottom edge to the start of the fillet. A dimension of 19 mm is shown for the vertical distance from the top edge to the start of the fillet. A dimension of 12.5 mm is shown for the vertical distance from the top edge to the start of the fillet. A checkmark is present next to the 12.5 mm dimension.

		PL: 10	AA1011819074	0.615	
			AA10119	20+	
DESCRIPTION & DRG.NO.	VAR NO.	RAW MATERIAL SIZE OR CASTING DRG.NO. OR FORGING DRG.NO.	MATL. CODE	NET.WT.	GROSS WT
			MATL. SPECN.	QTY.	

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		SOLAR BASED EV CHARGING STATION			
--	--	---------------------------------	--	--	--

REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.		BHARAT HEAVY ELECTRICALS LTD. CORPORATE R&D DIVISION HYDERABAD			NAME	SIGN	DATE	NO.OF VAR. NA
				DRN.	K.B.E		09.08.2016	
				CKD.	NAGESH/GAUTAM		09.08.2016	
		APPD.	ESWAR RAO		09.08.2016			
	DEPT. PES		SCALE	WEIGHT(K.G.)	REF.TO ASSY.DRG.	ITEM NO.	NO.OF ITEM	
CODE 033	NTS		0.615	D-G-18-15-719-RD-33-17	3	0		
TITLE				DRAWING NO.		REV.		
STIFFENER FOR PAD				D-G-18-15-719-RD-33-19		00		
				SHT.NO. 01		NO.OF SHT. 01		

TD 152--REV.03

A4 SIZE

INVENTORY NO.

SIGN. & DATE

REF. DRG. NO.

COMPUTER NO.

REV.

DATE

ALTERED

CHECKED

APPROVED

REV.

DATE

ALTERED

CHECKED

APPROVED

REV.

DATE

ALTERED

CHECKED

APPROVED

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2430,3

100

12.5

100

50

SCALE 1:20

DETAIL A

SCALE 1:5

ISMB 100X50

AA1012808

21.428

AA10108

10

MATL. CODE

NET.WT.

GROSS WT

MATL. SPECN.

QTY.

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

SOLAR BASED EV CHARGING STATION

REF. TO HY0230261 FOR
UNSPECIFIED TOLERANCES.

BHARAT HEAVY ELECTRICALS LTD.
CORPORATE R&D DIVISION
HYDERABAD

DEPT. KBE

CODE 030

SCALE NTS

WEIGHT(K.G.) 21.428

REF.TO ASSY.DRG.
D-G-18-15-719-RD-33-20

ITEM NO. 1

NO.OF ITEM 0

TITLE
MID BEAM MAIN BEAM

DRAWING NO.
D-G-18-15-719-RD-33-21

SHT.NO. 01

NO.OF SHT. 01

NO.OF VAR. NA

REV. 00

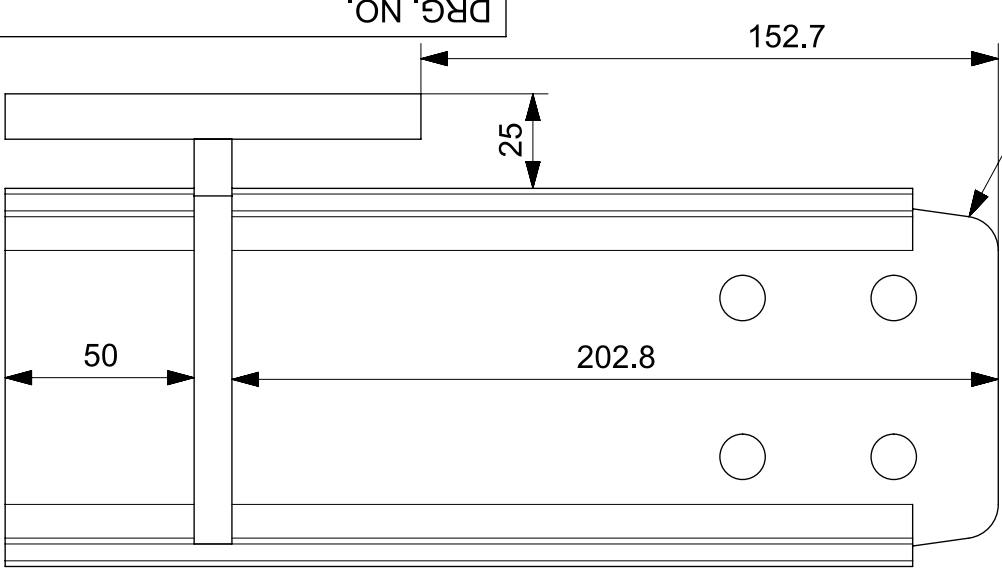
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

INVENTORY NO. SIGN. AND DATE COMP. FILE NAME

FIRST ANGLE PROJECTION

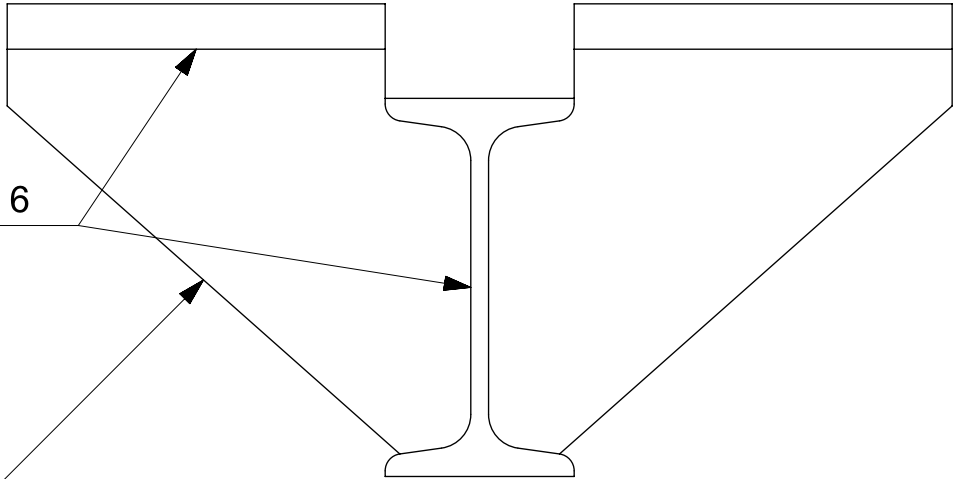
(ALL DIMENSIONS ARE IN mm)

DRG. NO. D-G-18-15-719-RD-33-17/00

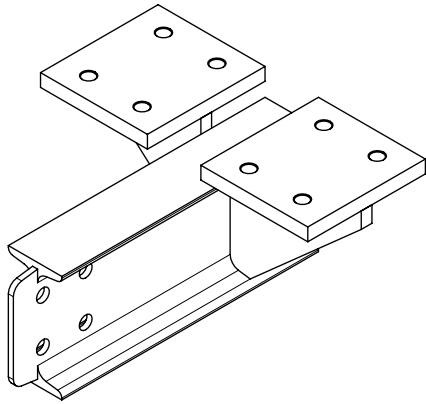


1

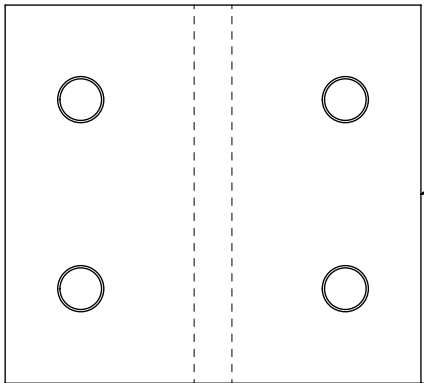
ALL ROUND 6



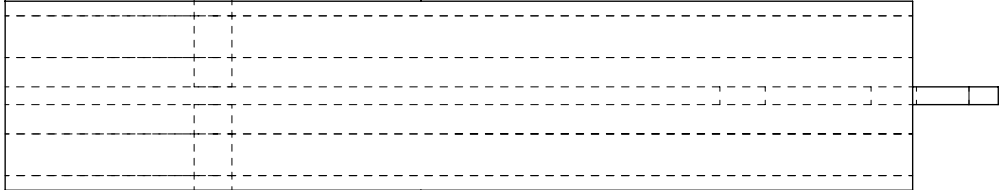
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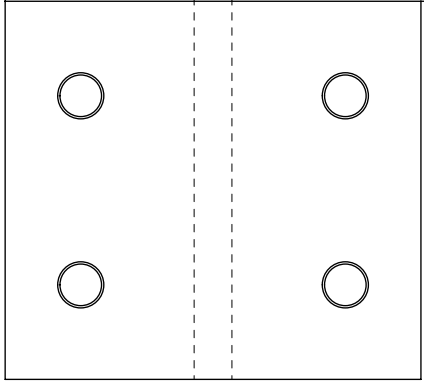
12.5



2



3	STIFFENER FOR PAD	D-G-18-15-719-RD-33-19	0.615	2
2	INCLINED BEAM TO CHANNEL END PAD	D-G-18-15-719-RD-33-15	1.00	2
1	MIDDLE BEAM END BEAM	D-G-18-15-719-RD-33-18	2.20	1
POS NO	DESC	DRG NO / RAW MATL SIZE	WT (Kg)	QTY



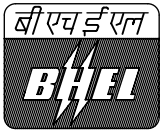
ITEM NO.	DESCRIPTION	DRAWING NO.	VAR. NO.	RAW MATERIAL SIZE OR CASTING DRG. NO. OR FORGING DRG. NO.	ASSEMBLY	5.425
					ASSEMBLY	10
					MATERIAL CODE	UNIT WT
					MATERIAL SPECN.	QUANTITY

THE FOLLOWING CONDITIONS APPLY EXCEPT OTHERWISE STATED....

1. REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.
2. CHAMFER M/CD. SHARP EDGES 1.2 TO 1.0 AT 45°.
3. INTERNAL M/CD. CORNER RADII 1 TO 0.7
4. THE SURFACE ROUGHNESS WHEREVER NOT SHOWN SHALL BE TAKEN FROM THE SURFACE ROUGHNESS SHSOWN OUT SIDE BACK SLASHS GIVEN AT THE TOP MOST RIGHT CORNER OF THE DRG.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

SOLAR BASED EV CHARGING STATION



BHARAT HEAVY ELECTRICALS LTD.
CORPORATE R&D DIVISION
HYDERABAD

	NAME	SIGN.	DATE	NO.OF VAR. NA
DRN.	K.B.E		09.08.2016	
CHD.	NAGESH/GAUTAM		09.08.2016	
APPD.	ESWAR RAO		09.08.2016	

DEPT. KBE		SCALE NA	WEIGHT (KG) 5.425	REF. TO ASSY DRG. D-G-18-15-719-RD-33-2	ITEM NO. 60	NO.OF ITEMS 3
CODE 30						

TITLE

MIDDLE BEAM END ASSY

CARD CODE
NA

DRAWING NO.

D-G-18-15-719-RD-33-17/00

REV.

SHEET No.: 1 NO OF SHEETS: 1

INVENTORY NO.

SIGN. & DATE

REF. DRG. NO.

COMPUTER NO.

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

Technical drawing of a beam end beam. The drawing shows a top view and a side view. The top view dimensions are: overall width 262,7, overall height 82,8, and a bottom flange height of 67,2. The side view shows a total height of 100 and a flange width of 50. Detailed dimensions for the top flange include a width of 22,6, a distance of 27,6 from the left edge to the center of the first hole, a hole diameter of Ø12, a distance of 40 between hole centers, and a distance of 42 from the top edge to the center of the second hole. The bottom flange has a height of 29 and a fillet radius R9. A 3D perspective view of the beam is shown below the top view.

		ISMB 100X50	AA1012808	2.2	
			AA10108	10	
DESCRIPTION & DRG.NO.	VAR NO.	RAW MATERIAL SIZE OR CASTING DRG.NO. OR FORGING DRG.NO.	MATL. CODE	NET.WT.	GROSS WT
			MATL. SPECN.	QTY.	

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

SOLAR BASED EV CHARGING STATION

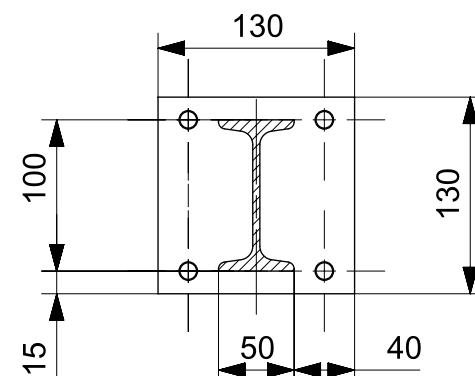
REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES.		BHARAT HEAVY ELECTRICALS LTD. CORPORATE R&D DIVISION HYDERABAD			NAME	SIGN	DATE	NO.OF VAR. NA
				DRN.	K.B.E		09.08.2016	
				CKD.	NAGESH/GAUTAM		09.08.2016	
				APPD.	ESWAR RAO		09.08.2016	
DEPT. KBE		SCALE	WEIGHT(K.G.)	REF.TO ASSY.DRG.		ITEM NO.	NO.OF ITEM	
CODE 030		NTS	2.2	D-G-18-15-719-RD-33-17		1	0	
TITLE				DRAWING NO.				REV.
MIDDLE BEAM END BEAM				D-G-18-15-719-RD-33-18				00
				SHT.NO. 01		NO.OF SHT. 01		

TD 152--REV.03

A4 SIZE

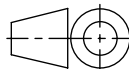
INVENTORY NO	SIGN. AND DATE	COMP. FILE NAME
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REV.	DATE	ALTERED	CHECKED/ APPD
ZONE			



SECTION C-C
SCALE 1:5

3	TRANSVERSE BEAM MID PAD	D-G-18-15-719-RD-33-16	0.691	2
2	PAD WITHOUT CHAMFER	D-G-18-15-719-RD-33-15	1.552	2
1	TRANSVERSE BEAM	ISMB 100X50...5147	46.01	1
POS NO	DESC	DRG NO / RAW MATL SIZE	WT (Kg)	QTY

				ASSEMBLY	ASSEMBLY	50.496					
					ASSEMBLY	15					
ITEM NO.	DESCRIPTION	DRAWING NO.	VAR. NO.	RAW MATERIAL SIZE OR CASTING DRG. NO. OR FORGING DRG. NO.	MATERIAL CODE	UNIT WT					
					MATERIAL SPECN.	QUANTITY					
THE FOLLOWING CONDITIONS APPLY EXCEPT OTHERWISE STATED.... 1. REF. TO HY0230261 FOR UNSPECIFIED TOLERANCES. 2. CHAMFER M/CD. SHARP EDGES 1.2 TO 1.0 AT 45°. 3. INTERNAL M/CD. CORNER RADII 1 TO 0.7 4. THE SURFACE ROUGHNESS WHEREVER NOT SHOWN SHALL BE TAKEN FROM THE SURFACE ROUGHNESS SHSOWN OUT SIDE BACK SLASHS GIVEN AT THE TOP MOST RIGHT CORNER OF THE DRG.			TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT								
			 BHARAT HEAVY ELECTRICALS LTD. CORPORATE R&D DIVISION HYDERABAD					NAME	SIGN.	DATE	NO.OF VAR. NA
							DRN.	K.B.E		09.08.2016	
							CHD.	NAGESH/GAUTAM		09.08.2016	
							APPD.	ESWAR RAO		09.08.2016	
			DEPT. KBE			SCALE	WEIGHT (KG)	REF. TO ASSY DRG.		ITEM NO.	NO.OF ITEMS
CODE 30		NA	50.496	D-G-18-15-719-RD-33-2		70	3				
TITLE					CARD CODE NA	DRAWING NO.		REV.			
TRANSVERSE BEAM ASSY						D-G-18-15-719-RD-33-14		00			
					SHEET No.:		1	NO OF SHEETS:	1		