

BHEL GOINDWAL	SPECIAL TERMS AND CONDITIONS FOR TENDER (Tender Enquiry No. 1920-087E Dated 21.10.2019 Due date 05.11.2019) ITEM: Packing & Bull Ring
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Last time and date of tender submission	1500 Hrs 05.11.2019
Tender opening time and date	1530 Hrs 05.11.2019
Item Description	Packing & Bull Rings
Item Specification	As per Annexure-II
Delivery schedule (In days)	As per Annexure-II
Validity of offer from date of tender opening (In days)	60
Documents required along with supply of material	Applicable
1. Test Certificate	Required
2. Compliance Certificate	Required
Quantity Variation	+/-10%

Online bids in two parts are invited for the supply of Packing & Bull Rings. The relevant documents can be downloaded from <https://bhel.abcpurchase.com>.

Pre-Qualification Term

P1.

Bidder's should primarily be engaged in manufacturing of similar packing/bullring/gaskets of Grafoil material. Bidders need to submit one or more purchase orders of similar packing/bullring/gasket of Grafoil material from any customer with minimum cumulative value of Rs.40000.00 (forty thousand Only) as proof. PO date should be 01.10.2016 or afterwards". These Pre-Qualification terms shall not be applicable to Start-Up Firms. These relaxations and exemptions are in line with D.O. No. 5(4)/2016-BE-I dated 15.02.2017. For claiming Start-Up exemption, bidders have to give documentary evidence or undertaking. For Claiming MSE benefits, bidder have to give documentary evidence like NSIC, UAN, etc. Bidder has to give undertaking that he is manufacturer of similar grafoil items.

S1. Counter offer

BHEL reserves the right to negotiate with L1 or re-float the tender in case the quoted prices are not acceptable. BHEL will not give counter-offer to vendors for this tender including MSE benefits mention in clause no. G14 of GCC of MM Tenders.

S2. Scope of Supply

Material shall be supplied as per the applicable latest Technical Delivery Conditions (TDC)/ Material Standard requirements/BPS/Drawing and other requirement as given in the Purchase Order. National & International material Standards shall have to be arranged by vendors themselves. **Comparison and procurement shall be done for Individual item, i.e. Packing and Bull Rings where one bidder is found to L1, then for individual quantity PO will be released and bidders have to execute the order what so ever be the quantity and PO value.**

S3. General Contract Conditions (GCC)

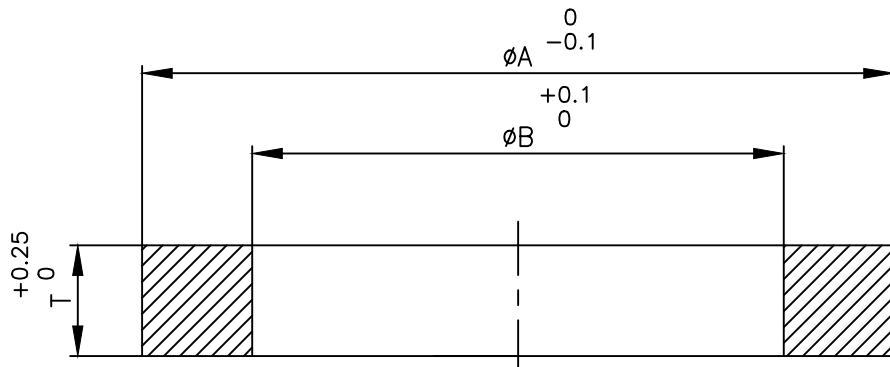
These Special terms and conditions and GCC collectively are the part of tender terms and conditions. In case of two or more L1 vendors, the tender quantity shall be divided equally among L1 vendors.

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Annexure-II

Sl. No.	Material Code	Description	DRG No/Rev No	TDC No/Rev No	Quantity, Nos.	Delivery required
1	963534240000	VALVE STEM PACKING-5 RINGS (GR	32000101116/02	TDC:5:185/00	1500	<u>within 60 days from PO date</u>
2	963535800000	SWIVEL TUBE PACKING SET-GRAFOI	32000101275/04	TDC:5:185/00	1200	<u>within 60 days from PO date</u>
3	964561070000	PACKING RING 6C300RVSV	2VK21714882/02	TDC:5:185/00	500	within 90 days from PO date
4	964564010000	GL PACK RING GRAFOIL-R017	2VR01714882/02	TDC:5:185/00	200	within 90 days from PO date
5	964568060000	PACKING RING 18C150GV,16C300GV	2VN59414882/02	TDC:5:185/00	1500	within 90 days from PO date
6	964569060000	BULL RING-10C150GV(NC)	2VN08907892/04	TDC:5:185/00	400	within 90 days from PO date
7	964569070000	BULL RING-12C150GV,6C600GV	2VN04107892/04	TDC:5:185/00	400	within 90 days from PO date
8	964569090000	BULL RING-2C300RVSV	2V247707892/04	TDC:5:185/00	400	within 90 days from PO date
9	964569110000	BULL RING-6C300RVSV	2V248007892/04	TDC:5:185/00	500	<u>within 60 days from PO date</u>
10	964569160000	BULL RING-16C300GV,10C600GV,18	2VN43607892/04	TDC:5:185/00	800	within 90 days from PO date
11	964653170000	PACKING RING GRAFOIL-12-C600-R	2VP53814882/02	TDC:5:185/00	200	within 90 days from PO date
12	964654120000	PACKING RING GRAFOIL-12-C300-R	2VP56014882/02	TDC:5:185/00	200	within 90 days from PO date
13	964654850000	BULL RING-16-C300-RV	2VNH5107892/02	TDC:5:185/00	150	within 90 days from PO date

1		2		3						6		7		8					
DRAWING NO. 2-V-0000-07892		ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP																	
		SL. NO.	Drawing Number	Component Code	ØA	ØB	T	WT (gm)	REMARKS	SL. NO.	Drawing Number	Component Code	ØA	ØB	T	WT (gm)	REMARKS		
A		1	2-V-5903-07892/04	964569270000	15.83	9.53	5.60	1.50	GV-(1/4" To 3/4") -800	56	2-V-0046-07892/04	964533910000	72.00	46.00	13.00	52.20			
		2	2-V-2230-07892/02	964650860000	16.00	8.00	4.00	2.00	3mm Pr. GAUGE VALVE	57	2-V-N224-07892/04	964569140000	73.80	50.80	12.00	41.00	20"-150C GV,12"-600C-GV		
		3	2-V-5713-07892/04	964569280000	17.40	11.10	4.80	1.50	SV-(1/4" To 3/4") -800 & BDV-1"-800	58	2-V-0048-07892/04	964533920000	74.00	48.00	13.00	54.00	8"/C1500 GV,10"-C600 GV		
		4	2-V-5904-07892/04	964569290000	19.00	11.10	6.40	2.60	GV-1" 800	59	2-V-5962-07892/02	964650820000	76.20	31.50	22.20	140.00	Y-TYPE 2.1/2"-C2500		
		5	2-V-5714-07892/04	964569300000	19.00	12.70	6.40	2.20	SV-1" 800	60	2-V-N437-07892/04	964569170000	77.00	54.00	11.00	80.00	20"-300C GV		
		6	2-V-Y042-07892/02	964652250000	20.50	14.50	4.50	2.00	1/2",3/4"-C1500&C2500-Y TYPE	61	2-V-0050-07892/04	964533930000	78.00	50.00	14.00	65.60			
		7	2-V-5906-07892/04	964569310000	23.75	14.28	4.80	3.00	SV/GV-(1.1/4" & 1.1/2") - 800	62	2-V-P366-07892/03	964651880000	79.00	55.00	12.00	36.00	10"-C300-SV/RV		
		8	2-V-Y043-07892/02	964652260000	25.30	16.10	5.00	2.00	1"-C1500&C2500-Y TYPE	63	2-V-0052-07892/04	964533940000	80.00	52.00	14.00	67.60	8"/C2500,C2750 GV,12"-C600 GV		
		9	2-V-5907-07892/04	964569320000	25.35	15.88	4.80	3.20	SV/GV- 2" - 800	64	2-V-0S55-07892/04	964534110000	81.00	55.00	13.00	69.40	6/C3500 GLV,GNV		
		10	2-V-5732-07892/04	964569230000	32.40	14.45	6.40	7.00	SV/(1/4" To 1/2") -1500/2500	65	2-V-N361-07892/04	964569150000	83.30	57.20	13.00	48.00	24"-150C GV		
B		11	2-V-N081-07892/04	964568970000	32.50	19.10	6.00	5.00	2"150C,2"300C GV	66	2-V-0055-07892/04	964533950000	85.00	55.00	15.00	82.40	6"/C2500,C2750 GLV		
		12	2-V-5620-07892/04	964569330000	34.00	17.40	7.90	9.00	BDV- 1"-1500	67	2-V-NE96-07892/02	964652710000	86.50	60.325	14.00	90.00	22" - C300 - GV		
		13	2-V-N049-07892/04	964568990000	35.70	22.20	6.00	5.50	3"300C GV	68	2-V-P560-07892/02	964654130000	87.00	62.00	12.50	60.90	12" - C300 - RV		
		14	2-V-N025-07892/04	964568980000	35.70	22.20	7.00	6.00	3"150C GV	69	2-V-V161-07892/03	964534680000	88.00	62.00	13.00	112.00	14"/1500 GV, 12"/2500 GV		
		15	2-V-Y045-07892/02	964652270000	38.00	25.55	6.40	6.00	1.1/2"-C1500&C2500-Y Type	70	2-V-0058-07892/04	964533960000	90.00	58.00	16.00	99.00	10"/C1500 GV		
		16	2-V-N097-07892/04	964569010000	38.90	25.40	7.00	7.20	4"300C GV	71	2-V-0060-07892/04	964533970000	92.00	60.00	16.00	101.70	10"/C2500 GV		
		17	2-V-N033-07892/04	964569000000	38.90	25.40	8.00	8.20	4"150C GV	72	2-V-0062-07892/04	964533980000	94.00	62.00	16.00	104.40	12"/C1500 GV		
		18	2-V-V209-07892/03	964534640000	39.00	26.00	6.50	12.10	2-1/2"/2500 GV	73	2-V-NH51-07892/02	964654850000	96.00	70.00	12.70	60.00	16" - C300 - RV		
		19	2-V-2477-07892/04	964569090000	40.00	24.00	8.16	15.00	2"300C GLV	74	2-V-V177-07892/03	964534690000	96.00	70.00	13.00	123.00	16"/1500 GV, 14"/3500 GV		
		20	2-V-5734-07892/04	964569240000	41.17	17.40	11.90	21.00	SV/(3/4" & 1") -1500/2500	75	2-V-0065-07892/04	964533990000	97.00	65.00	16.00	108.40	14"/C1500 GV		
C		21	2-V-Y017-07892/02	964652280000	41.18	28.75	6.40	6.00	2" - C1500 & C2500 - Y Type	76	2-V-0070-07892/04	964534000000	102.00	70.00	16.00	115.10	12"/C2500 GV		
		22	2-V-SHJA-07892/01	966000200000	42.23	22.23	10.00	13	1.5" - C3000spl	77	2-V-N147-07892/02	964651770000	105.60	76.20	14.30	108.00	32" - C150		
		23	2-V-2478-07892/04	964569100000	44.00	28.00	8.16	16.00	3",4"300C GLV,3"600C GV	78	2-V-NH52-07892/02	964654950000	106.00	75.00	14.30	90.00	16" - C600 - RV		
		24	2-V-5990-07892/02	964650810000	44.50	31.80	6.40	8.10	IGV-2.1/2"-C3000 & Y047	79	2-V-0075-07892/04	964534010000	107.00	75.00	16.00	121.80	16"/C1500, 14"/C2000 GV		
		25	2-V-N001-07892/04	964569020000	45.20	28.60	7.00	10.10	6"150C GV	80	2-V-C538-07892/02	964651810000	108.00	79.30	14.30	108.00	20" - C900		
		26	2-V-0S30-07892/04	964534080000	46.00	30.00	8.00	12.70	2-1/2"/C1500,C2500 GNV	81	2-V-0080-07892/04	964534020000	112.00	80.00	16.00	128.50	18"/C1500,14"/C2500 GV,14"/C3500 GV		
		27	2-V-5610-07892/04	964569260000	46.70	27.15	9.50	17.50	BDV-1.1/2"-1500	82	2-V-0090-07892/04	964534030000	122.00	90.00	16.00	141.80	20"/C1500, 18"/C2000, 16"/C2500 GV		
		28	2-V-SIJA-07892/01	966000110000	47.50	27.00	10.25	15	2" - C3000spl	83	2-V-NH99-07892/01	964656340000	121.40	82.60	19.00	212.50	36" - C150 GV		
		29	2-V-0030-07892/04	964533830000	48.00	30.00	9.00	16.50	2-1/2"/C1500,C2500 GV	84	2-V-0100-07892/04	964534040000	132.00	100.00	16.00	155.30	20"/C2750 GV, 12"/C2000 ELB		
		30	2-V-V241-07892/03	964534650000	48.00	32.00	8.00	22.60	4"/2500 GV	85	2-V-0S10-07892/04	964534070000	140.00	100.00	20.00	250.90	18"/C2500 GV		
D		31	2-V-N009-07892/04	964569030000	48.40	31.80	10.00	15.80	8"150C GV	86	2-V-0110-07892/04	964534050000	142.00	110.00	16.00	168.60	14"/C2500 SDNR		
		32	2-V-N017-07892/04	964569040000	48.40	31.80	8.00	12.70	6"300C GV,4"900C GV	87	2-V-0120-07892/04	964534060000	158.00	120.00	19.00	262.40	16"/C2500 GNV		
		33	2-V-0032-07892/04	964533840000	50.00	32.00	9.00	17.40	3"/C1500,C2500 GV,2 -1/2"/C1500 GLV										
		34	2-V-B003-07892/04	964569220000	50.00	32.00	9.20	30.00	4"-600C GV										
		35	2-V-N089-07892/04	964569060000	51.60	34.90	8.00	13.70	8"300C GV										
		36	2-V-N057-07892/04	964569050000	51.60	34.90	10.00	17.00	10"150C GV										
		37	2-V-2480-07892/04	964569110000	52.00	36.00	8.16	20.00	6"300C GLV										
		38	2-V-0034-07892/04	964533850000	54.00	34.00	10.00	23.00	3"/C1500,2-1/2"/C2500,C3500 GLV										
		39	2-V-5737-07892/04	964569250000	55.40	27.15	13.50	40.00	SV/((1.1/4" To 2") -1500/2500										
		40	2-V-V081-07892/03	964534660000	55.00	36.00	9.50	36.30	6"/1500 GV , 5"/2500 GV										
E		41	2-V-0036-07892/04	964533860000	56.00	36.00	10.00	24.00	4"/C1500,C2500,C2750,3"/C3500 GV										
		42	2-V-0S38-07892/04	964534090000	57.00	38.00	9.50	22.39	3"/C3500GNV										
		43	2-V-N041-07892/04	964569070000	57.90	38.10	12.00	27.00	12"150C GV										
		44	2-V-0040-07892/04	964533880000	59.00	40.00	9.50	23.40	4"/C2500 GNV,6"-C600 GV										
		45	2-V-0038-07892/04	964533870000	60.00	38.00	11.00	31.00	5"/C1500,C2500 GV,3"/C2500 GLV										
		46	2-V-C607-07892/04	964569360000	60.00	40.00	10.20	21.30	6"/900C GV,GVN										
		47	2-V-N06</																

1				2				3								6				7				8																																						
28821-0000-A-2 DRAWING NO.												ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP																																																		
A	SL No.	DRAWING NO.	COMP. CODE	ØA	ØB	T	WT. (gm)	Remarks	SL No.	DRAWING NO.	COMP. CODE	ØA	ØB	T	WT. (gm)	Remarks		A																																												
	1	2-V-5903-14882/02	964527890000	15.83	9.53	5.60	1.30	3/4"-C800-GV	56	2-V-R271-14882/02	964533690000	81.00	55.00	13.00	65.00	150/3500 GNV																																														
	2	2-V-2230-14882/02	964650870000	16.00	8.00	4.00	1.10	3MM PGV	57	2-V-N591-14882/02	964568050000	83.30	57.15	13.00	67.50	24"/C150																																														
	3	2-V-L826-14882/02	964608640000	16.00	9.00	3.50	0.90	6/300,3/900	58	2-V-G002-14882/02	964532300000	85.00	55.00	15.00	89.10	150/2500 GLV																																														
	4	2-V-5713-14882/02	964527880000	17.40	11.10	4.80	1.20	3/4"-C800-GLV	59	2-V-Z077-14882/02	964655130000	86.50	60.30	14.00	76.10	950/300 SCV																																														
	5	2-V-5904-14882/02	964527900000	19.00	11.10	6.40	2.20	1"-C800-GV	60	2-V-P560-14882/02	964654120000	87.00	62.00	12.50	65.80	12"300C RV																																														
	6	2-V-5714-14882/02	964525170000	19.00	12.70	6.40	1.80	1"-C800-GLV	61	2-V-V161-14882/02	964534620000	88.00	62.00	13.00	71.70	350/1500 GV,300/2500 GV																																														
B	8	2-V-L873-14882/02	964608010000	23.00	13.00	5.00	2.50	6/300	62	2-V-W117-14882/02	964564020000	90.00	58.00	16.00	107.10	250/1500 GV	B																																													
	9	2-V-5906-14882/02	964527910000	23.75	14.28	4.80	2.40	1.1/2"-C800-GV&GLV	63	2-V-W004-14882/02	964532230000	92.00	60.00	16.00	110.00	250/2500 GV																																														
	10	2-V-5907-14882/02	964527920000	25.35	15.88	4.80	2.60	2"-C800-GV&GLV	64	2-V-P538-14882/02	964653170000	96.00	70.00	12.00	73.20	12"600C RV/16"300C RV																																														
	11	2-V-9905-14882/02	964155580000	28.70	19.10	4.80	13.10	SV & SRV	65	2-V-V177-14882/02	964534630000	96.00	70.00	13.00	79.30	400/1500 GV,350/3500 GV																																														
	12	2-V-L916-14882/02	964608910000	29.00	16.00	6.50	5.40	8/300,10/300,10/600	66	2-V-W409-14882/02	964533620000	97.00	65.00	16.00	117.30	350/1500 GATE																																														
	13	2-V-L529-14882/02	964608980000	31.00	18.00	6.50	5.90	3/900	67	2-V-W005-14882/02	964533280000	102.00	70.00	16.00	124.50	300/2500 GATE																																														
	14	2-V-N081-14882/02	964562960000	32.50	19.05	6.00	5.90	2"-150C,2"-300C-GV	68	2-V-N147-14882/02	964651760000	105.60	76.20	14.30	108.10	32"/150C																																														
C	15	2-V-L858-14882/02	964608900000	33.00	20.00	6.50	6.30	12/150,12/300,16/150	69	2-V-NH52-14882/02	964654940000	106.00	75.00	14.30	113.40	16"600C RV	C																																													
	16	2-V-5620-14882/02	964568950000	34.10	17.40	7.90	9.60	1"-C1500-BDV	70	2-V-W006-14882/02	964532340000	112.00	80.00	16.00	139.00	350/2500 GATE																																														
	17	2-V-N025-14882/02	964562970000	35.70	22.230	6.00	6.60	3"-150C,3"-300C-GV	71	2-V-W515-14882/02	964533260000	122.00	90.00	16.00	153.50	450/2000 GATE																																														
	18	2-V-9408-14882/02	964155550000	38.20	25.40	6.40	31.10	SV & SRV	72	2-V-NH99-14882/02	964656330000	121.40	82.60	19.00	212.50	36"/C150 GV																																														
	19	2-V-N033-14882/02	964562980000	38.90	25.40	7.00	8.60	4"-150C,4"-300C-GV	73	2-V-LB72-14882/01	964620700000	130.00	90.00	16.00	212.50	34"/C600 CRH																																														
	20	2-V-V209-14882/02	964534580000	39.00	26.00	6.50	7.80	65/2500 GV	74	2-V-W077-14882/02	964533120000	132.00	100.00	16.00	167.90	500/2750 GATE																																														
	21	2-V-K214-14882/02	964561040000	40.00	24.00	8.16	11.80	4"150C,3"&4"300C,2"600C GV	75	2-V-W073-14882/02	964533660000	140.00	100.00	20.00	271.40	450/2500 GATE																																														
D	22	2-V-SHJA-14882/01	966000190000	42.23	22.23	10.00	13.00	1.5" C3000SPL	76	2-V-L081-14882/02	964533640000	142.00	110.00	16.00	182.40	350/2500 SCV	D																																													
	23	2-V-L825-14882/02	964608630000	44.00	28.00	8.00	13.00	6"/C300	77	2-V-LA41-14882/02	964620380000	144.00	95.00	16.00	264.90	32/900																																														
	24	2-V-5990-14882/02	964650790000	44.50	31.80	6.40	8.80	Y047																																																						
	25	2-V-N001-14882/02	964562990000	45.20	28.580	8.00	13.90	6"-150C-GV																																																						
	26	2-V-L915-14882/02	964608890000	46.00	30.00	8.00	13.80	24"/150C,16,20"/300C,6"/600C																																																						
	27	2-V-SIJA-14882/01	966000100000	47.50	27.00	10.25	15.00	2" C3000SPL																																																						
	28	2-V-W049-14882/02	964533370000	48.00	30.00	9.00	17.90	65/1500 GATE																																																						
E	29	2-V-V241-14882/02	964534590000	48.00	32.00	8.00	14.50	100/2500 GV											NOTE: - Rings shall be supplied in endless form. - Compressed grafoil ribbon pack with zinc dust corrosion inhibitor, to be compressed to the density of 1.6 to 1.8 gm/cm³ - Packing shall be provided with a powdered zinc active corrosion-inhibiting treatment (2% Zn. by weight minimum) - Leachable chloride content : 50 ppm max. - Sulphur compounds (expressed as "S") = 100 ppm max. - Packing shall withstand the service conditions of Pressure – 615.0. kg/cm² max. & Temperature – 610°C max. PACKING INSTRUCTION: - Packing rings shall be packed in polyethylene sheets, properly rolled and shall not open out during transport & storing. - Each pack shall contain printed/written letters listing the Drawing No., Component Code No., Size and Supplier's Name. - Drawing No. Code No., shall be readable and visible under packed condition.																																											
	30	2-V-N009-14882/02	964563000000	48.40	31.75	8.00	15.10	8"150C,6"300C GV																																																						
	31	2-V-W425-14882/02	964564000000	50.00	32.00	9.00	18.80	80/1500 GV																																																						
	32	2-V-N057-14882/02	964563010000	51.60	34.930	8.00	16.30	8"300C,10150C GV																																																						
	33	2-V-K217-14882/02	964561070000	52.00	36.00	8.16	16.20	8"150C GV																																																						
	34	2-V-G065-14882/02	964564030000	54.00	34.00	10.00	24.90	80/1500 SV																																																						
	35	2-V-V081-14882/02	964534600000	55.00	36.00	9.50	23.20	150/1500 GV,125/2500 GV																																																						
F	36	2-V-K222-14882/02	964561120000	56.00	36.00	10.20	26.50	4"1500C GV											CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.	F																																										
	37	2-V-L857-14882/02	964608940000	57.00	38.00	9.50	24.20	12",16"/150C,12"/300C,14"/600C																																																						
	38	2-V-N041-14882/02	964563020000	57.90	38.10	9.00	24.20	12"150C GV																																																						
	39	2-V-L820-14882/02	964608950000	59.00	40.00	9.50	25.30	32/150,18/600																																																						
	40	2-V-G145-14882/02	964532280000	60.00	38.00	11.00	33.50	80/2500 GLV																																																						
	41	2-V-K218-14882/02	964561080000	60.00	40.00	10.20	28.80	10"150C GV,12"150C GV																																																						
	42	2-V-N065-14882/02	964563030000	61.10	41.280	9.00	25.80	10"300C,12"300C GV																																																						
G	43	2-V-L889-14882/02	964608920000	63.00	44.00	9.50	27.30	16"/150C,14"/600C											G																																											
	44	2-V-K244-14882/02	964561420000	64.00	44.00	10.20	31.10	12"300C GV																																																						
	45	2-V-N596-14882/02	964567780000	64.30	44.45	10.00	30.50	14"-C300,16"-C150 GV																																																						
	46	2-V-R065-14882/02	964533680000	65.00	46.00	9.50	28.30	125/1500 GNV																																																						
	47	2-V-R017-14882/02	964564010000	66.00	42.00	12.00	44.00	100/1500 RV																																																						
	48	2-V-V129-14882/02	964534610000	67.00	48.00	9.50	29.30	250/1500 GV,200/2500 GV																																																						
	49	2-V-N594-14882/02	964568060000	67.50	47.60	10.00	32.40	16"/C300																																																						
H	50	2-V-K219-14882/02	964561090000	68.00	44.00	12.25	46.60	6"150C GV,8"600C GV											H																																											
	51	2-V-N597-14882/02	964567790000	73.80	50.80	12.00	48.60	20"/C150 GV																																																						
	52	2-V-K220-14882/02	964561100000	74.00	48.00	13.30	59.60	8"/1500C GV,10"/600C GV																																																						
	53	2-V-N595-14882/02	964568070000	77.00	54.00	11.00	46.90	20"/C300																																																						
	54	2-V-P366-14882/02	964651870000	79.00	55.00	12.00	54.60	10"300C GLV																																																						
	55	2-V-W003-14882/02	964533100000	80.00	52.00	14.00	73.20	200/2500 GATE																																																						
	<table><tr><td>REV 05</td><td>DATE 05.06.16</td><td>ALTERED DRS</td><td>REV 04</td><td>DATE 09.10.15</td><td>ALTERED SSK</td><td>REV 03</td><td>DATE 23.01.15</td><td>ALTERED JALAL</td><td>REV 02</td><td>DATE 04.12.14</td><td>ALTERED M.RAMESH</td><td>REV 01</td><td>DATE 19.04.14</td><td>ALTERED MS</td></tr><tr><td colspan="2"></td><td>CHD & APPD DRS & KRS</td><td colspan="2"></td><td>CHD & APPD SSK & KRS</td><td colspan="2"></td><td>CHD & APPD SANKARAN</td><td colspan="2"></td><td>CHD & APPD SSK & KRS</td><td colspan="2"></td><td>CHD & APPD SSK</td></tr><tr><td colspan="2"></td><td>ROWS ARRANGED IN ASCENDING ORDER OF DIMENSION VALUES & 2 ROWS (SIJA & SHJA) INCLUDED.</td><td colspan="2"></td><td>NH99 DIMENSIONS CORRECTED IN DWG DCP:802017</td><td colspan="2"></td><td>SI No. 75 INCLUDED</td><td colspan="2"></td><td>SI No. 74 INCLUDED</td><td colspan="2"></td><td>ZINC CORROSION-INHIBITOR 2% MIN. WAS 4% MIN. (NOTE-3) DCP:801733</td></tr></table>																REV 05	DATE 05.06.16		ALTERED DRS	REV 04	DATE 09.10.15	ALTERED SSK	REV 03	DATE 23.01.15	ALTERED JALAL	REV 02	DATE 04.12.14	ALTERED M.RAMESH	REV 01	DATE 19.04.14	ALTERED MS			CHD & APPD DRS & KRS			CHD & APPD SSK & KRS			CHD & APPD SANKARAN			CHD & APPD SSK & KRS			CHD & APPD SSK			ROWS ARRANGED IN ASCENDING ORDER OF DIMENSION VALUES & 2 ROWS (SIJA & SHJA) INCLUDED.			NH99 DIMENSIONS CORRECTED IN DWG DCP:802017			SI No. 75 INCLUDED			SI No. 74 INCLUDED			ZINC CORROSION-INHIBITOR 2% MIN. WAS 4% MIN. (NOTE-3) DCP:801733
REV 05	DATE 05.06.16	ALTERED DRS	REV 04	DATE 09.10.15	ALTERED SSK	REV 03	DATE 23.01.15	ALTERED JALAL	REV 02	DATE 04.12.14	ALTERED M.RAMESH	REV 01	DATE 19.04.14	ALTERED MS																																																
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1				2				3								6				7				8				Size A2																																		

Technical drawing of a mechanical part, likely a piston or a similar component, showing dimensions and labels.

Dimensions:

- Overall height: $\phi 25.4$
- Inner diameter: $\phi 12.7$
- Overall width: 32.5 ± 2.5

Labels:

- 01: Points to the outer cylindrical surface.
- 02: Points to the central vertical slot.
- 01: Points to the outer cylindrical surface (repeated).

Diagram illustrating a circular cross-section of a pipe. The pipe is divided into two equal halves by a vertical dashed line. The top half is labeled "TO BE SPLIT INTO 45°". An arrow points from this label to the top half of the pipe, indicating the intended split.

Technical drawing of a shaft with the following dimensions and tolerances:

- Overall length: $25.4 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$
- Distance from left end to first step: 6.5 ± 0.5
- Distance between steps: $12.7 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$
- Shaft diameter: $\varnothing 12.7$

1. COMPRESSED GRAFOIL RINGS WITH ZINC DUST CORROSION INHIBITOR TO BE COMPRESSED TO A DENSITY OF 1.6 gms/cc.
2. RINGS TO BE SUPPLIED WITH ENDLESS FORM.
3. BULL RINGS SHALL BE SUPPLIED WITH A SLIT OF 45° AT ONE PLACE.
4. BULL RINGS TO BE BRAIDED GRAPHITE OR CARBON FILAMENT.
5. CARBON FILAMENT RING SHALL CONTAIN CARBON 70% TO 80% ZINC 2% TO 10%.
6. LECHABLE CHLORIDE CONTENT SHALL NOT EXCEED 50 PPM.
7. USE OF ASBESTOS IS PROHIBITED IN THIS RING.

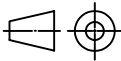
ITEM NO: 02

PART CODE: – 963534240000

03	PACKING RING					0.01	0.01		02
02	BULL RING					0.01	0.01		01
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No

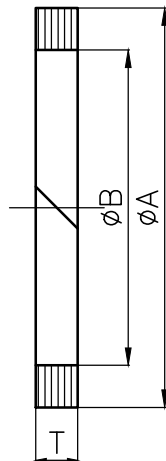
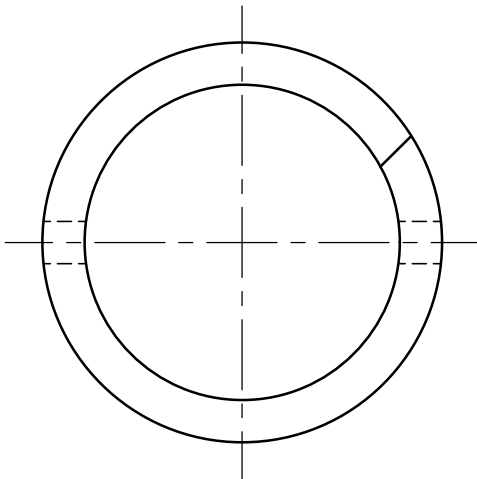
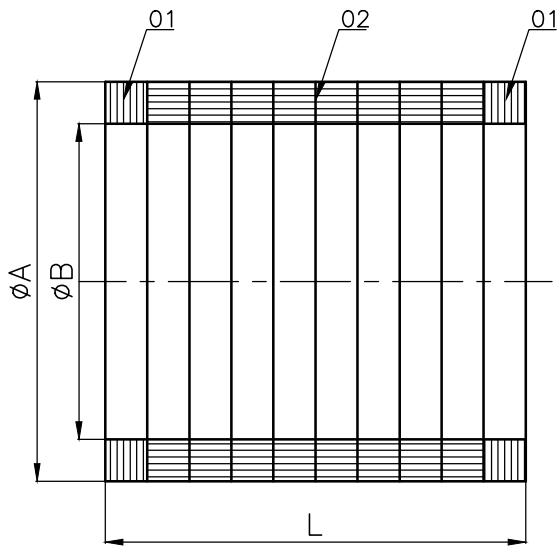
CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

REV 02	DATE 28.03.06	ALTERED CHD & APPD K.N	K.S
DRAWING REDRAWN & UPDATED.			
DCN: 800547		DATE: 02.01.06	

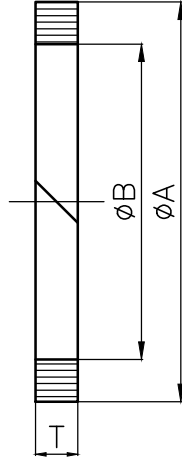
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT										
BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI_620014.					DRN	NAME S.MURUGA VALLI	SIGN S.M.V	DATE 28.03.06	NO.OF VAR.	
					CHD	K.SRIDHARAN	K.S	28.03.06		
					APPD	K.NAGARAJAN	K.N	28.03.06		
DEPT SB			SCALE	WEIGHT (KG).	REFERENCE INFORMATIONS				NO. OF ITEMS	
CODE 330					0.05					
TITLE VALVE STEM PACKING					CARD CODE U 01	DRAWING NO. 3-20-001-01116				REV 02

3-20-001-01275

DRAWING NO.



ITEM NO:01
(QTY-REFER TABLE)



ITEM NO:02
(QTY-REFER TABLE)

NOTE:—

1. COMPRESSED GRAFOIL RINGS (ITEM 02) WITH CORROSSION INHIBITOR TO BE COMPRESSED TO A DENSITY OF $1.7 \pm 0.1\text{gms/cc}$.
2. GRAFOIL RINGS (ITEM 02)SHALL BE SUPPLIED IN TWO HALVES WITH 45° SLIT.
3. NUMBER OF GRAFOIL RINGS (ITEM 02) PER SET SHALL BE AS PER THE TABLE.
4. BULL RING (ITEM 01) SHALL BE SUPPLIED WITH ONE SLIT 45°.
5. BULL RINGS SHALL BE BRAIDED GRAPHITE OF CARBON FILAMENT WITH 70 TO 80% CORBON AND CORROSSION INHIBITOR.
6. LEACHABLE CLORIDE < 50 PPM.
7. CORROSION INHIBITOR – 2% ZINC BY WEIGHT, MINIMUM.
8. SULPHUR COMPOUNDS <100 PPM.

NOTE:—

1. PACKING RING SETS SHALL BE WRAPPED IN POLYTHENE SHEETS ROLLED PROPERLY TO HOLD RINGS TOGETHER DURING TRANSPORT AND STORAGE.
2. MATERIAL CODE & MONTH AND YEAR OF MANUFACTURE SHALL BE CLEARLY INDICATED ON EACH PACKING SET.

TABLE:—

07	963535330010	$\phi 81 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 63.5 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	32	2	2	0.10	RB WALL BOX
06	963535390000	$\phi 48 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 32 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	8	1	–	0.02	AIR SEAL ASPIRATOR
05	963535330000	$\phi 81 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 60.3 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	32	2	2	0.11	RB WALL BOX
04	963534230000	$\phi 63.5 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 47.5 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	72	2	7	0.22	LRS IE TC
03	963535270000	$\phi 76 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 60 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	24	2	1	0.08	RB IE
02	963535800000	$\phi 76 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 60 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	40	2	3	0.13	WB IE
01	963535250000	$\phi 76 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$\phi 60 \begin{smallmatrix} +0.2 \\ +0.1 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$	80	2	8	0.26	LRD IE TC
VAR.No.	MATERIAL CODE	A	B	T	L	ITEM-01	ITEM-02	WEIGHT IN KG	REMARKS
		DIMENSION				No.OFF RINGS PER SET			
01									
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No

TYPE OF PRODUCT
OR NAME OF
CUSTOMER/PROJECT



BHARAT HEAVY ELECTRICALS LTD.,
UNIT: HIGH PRESSURE BOILER PLANT.
TIRUCHIRAPALLI-620014.

DRN	NAME	SIGN	DATE	NO.OF VAR.
CHD	J.SANKAR	J.S.	09.08.08	
APPD	K.SRIDHARAN	K.S.	09.08.08	
	S.NATARAJAN	S.N.	09.08.08	

DEPT	SCALE	WEIGHT (KG).	REFERENCE INFORMATION	NO. OF ITEMS
SB	NTS			
CODE	330			

TITLE	CARD CODE	DRAWING NO.	REV
PACKING RING (GRAFOIL)	U 01	3-20-001-01275	04

REV	DATE	ALTERED	J.S
04	02.02.17	CHD & APPD	J.S & H.R
PART CODE 963535330010 ADDED.			
DCN:SB: 802208 / 5022137			

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

1.0 SCOPE:

- 1.1 This specification covers the dimensional, constructional functional and quality requirements of graphited asbestos packing ring with monel wire reinforcement intended for use in QCNRV to create sealing around spindle in stuffing box.

2.0 REFERENCE DOCUMENT:

- 2.1 BHEL DRG No: 3-V-0000-22156

3.0 GENERAL REQUIREMENTS:

- 3.1 All the dimensions shall be in accordance with BHEL drg. and any deviation from this, shall be referred to BHEL for approval.
- 3.2 The supplier shall conduct necessary test to prove the product is as per the requirements.

4.0 CONSTRUCTION:

- 4.1 The packing rings shall be of braided construction with a resilient asbestos core impregnated with graphite.
- 4.2 The packing rings shall have a slit at an angle of 45 deg. to the axis of the packing and the slit faces shall be parallel.

5.0 DIMENSIONS:

- 5.1 Packing rings dimensions shall be as per applicable drawing number.
- 5.2 The diameter of the reinforcement monel wire shall be 0.15mm to 0.2mm.
- 5.3 The edges of the packings shall be sharp with the corner radius if any, not exceeding 0.5mm

6.0 MATERIALS:

- 6.1 **FIBRE:** The yarn used in the manufacture of packing shall be the long staple white chrysotile asbestos fibre containing not more than 12.5% of long staple organic fibre, evenly distributed throughout the asbestos and free from grit or rocky matter and from the single ply used in the construction shall be not coarser than 1100 tex.

- 6.2 **REINFORCEMENT:** The material of reinforcement wire shall be monel.

- 6.3 **BINDER:** The total content of binders used in the manufacture of rings, when determined in accordance with BS.4371 shall not exceed 5% by weight with the oil content restricted to a minimum, to avoid oozing and spurting of the oil at the operating temperatures and pressures.

- 6.4 **LUBRICANT:** The lubricant used shall be free graphite, evenly distributed throughout the packing. The lubricant content when tested in accordance with BS.4371 shall not be less than 3% by weight.

- 6.5 **CORROSION INHIBITOR:** Packing rings shall contain sacrificial metal corrosion inhibitor and the supplier shall also issue a guarantee certificate along with the supply to the effect that the packing contains sacrificial metal corrosion inhibitor.

- 6.6 **IGNITION LOSS:** The ignition loss on dried material when determined in accordance with BS 4371 shall not exceed 25% by weight.

- 6.7 **PH VALUE:** The PH value of the packing rings shall be within the range of 7 to 9.

7.0 SUPPLY OF SAMPLES:

7.1 The supplier shall provide 2 sets of 20 packing in each size as sample for evaluation and for further comparison with the quality of the packing rings supplied in bulk.

8.0 INSPECTION:

8.1 **INSPECTION/TESTS TO BE DONE BY THE SUPPLIER:** Following tests shall be conducted by the supplier.

- a. Dimensional inspection.
- b. Composition of reinforcement metal.
- c. Percentage binder content.
- d. Percentage lubricant.
- e. Ignition loss.
- f. PH value.
- g. Percentage corrosion inhibitor content.

NOTE:

1. The content of zinc powder or other corrosion inhibitor shall be preferably 7% by weight of the packing ring. The percentage by weight of corrosion inhibitor shall be indicated by the supplier in the offer.

2. The chloride content of the packing shall preferably be within 200 ppm. The supplier shall indicate the actual chloride content in the offer

8.2 Random samples in each size of packing ring will be subjected to the required tests at BHEL. If the first sample fails to satisfy the specification requirements, one more sample will be taken and will be tested. If the second sample also fails to satisfy the specification requirements the supplied batch/lot will be rejected.

9.0 CERTIFICATION:

9.1 All the test results shall be documented and maintained. The test certificates shall be furnished along with the supplies.

10.0 PACKING:

10.1 The packing rings shall be packed in sets of 10 nos. each. The package shall be air-tight and durably intact during transit and subsequent storage and handling.

10.2 The following details shall be clearly indicated in each package for easy identification.

- a. Manufacturer's name
- b. P.O. Number
- c. Drg. number
- d. Packing ring designation
- e. Quantity
- f. Description of the item
- g. Date of manufacture
- h. Batch No:
- j. Weight per thousand numbers (in Kilogram)

11.0 SUGGESTED SUPPLIER:

11.1 M/s PILLAR, JAPAN - style No: 315

BHEL, Tiruchirappalli – 620 014.

Quality Assurance

Technical Delivery Conditions

Product: **Monel Reinforced Asbestos Packing Rings For QCNRV**

Document No.; **TDC: 5:185**

Rev.No.:00

Effective Date: 28.08.91

Page: 3

G.Janakiraman
Qual. Assurance
Prepared by

S.Chandrasekaran V.Haridoss
Engg/Valves Purchase/Valves

R.Gurunathan
Quality Control
Reviewed by

K.S.Modak
Quality assurance

A.V.Krishnan
Qual Assurance
Approved by

Documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.

G1. INSTRUCTION TO BIDDER

Quotations shall be submitted before due date and time. Late offers are liable to be rejected, so please ensure to submit bid well within due date and time. Techno-commercial part will be opened on due date.

Based on evaluation of techno-commercial offers, Price bids of bidders who qualify from techno-commercial evaluation shall be opened. BHEL may decide to open the Price bid same day at 1700 hrs. If not opened on the same day, all qualifying bidders shall be notified for date of opening of Price bids by email/fax/post/courier/E-procurement system generated email.

G1.1 INSTRUCTION TO BIDDER (In case of Non-E-Procurement / Paper/ Manual/ Hard Copy based tenders)

Sealed Tenders can be dropped in the tender box labeled as 'Tender box for MM contracts'. This tender box is located at the entrance of Admin block BHEL Goindwal. Fax (01859-222061) / E-Mail (tendermm_ivp@bhel.in) offers received in time shall be considered only when such offers are complete in all respects. In case of bulky tender please handover quotation to Sh Rakesh Kumar/ SDGM/Head-MM or Sh Gurcharan Singh / AGM-Operations & MM. [Contact: 01859 224 615/631]. Bid can be send to following address:

**BHEL, Industrial Valve Plant,
#433, Industrial Complex,
Goindwal Sahib, Distt. Tarn Taran,
Punjab-143422.**

G1.2 INSTRUCTION TO BIDDER (In case of E-Procurement)

Interested bidders/Suppliers shall submit their offer through e-Procurement mode at <https://bhel.abcpurchase.com>. Offers in any other mode will not be accepted.

For Enterprise Procurement System (EPS) Bidders/Suppliers are requested to follow these steps:

a. Requirements

1. Computer with good Internet Connection.
2. Operating System should be Windows Vista / Windows 7 and above.
3. Web Browsers: Internet Explorer 9.0 (32-bit Browser only) & above

b. Mandatory Requirements:

Suppliers interested for registration for BHEL Open Tenders should have a valid DSC (Digital Signature Certificate) before Proceeding forward for Registration. Herein a Valid DSC refers to a Class-II/III Digital Signature Certificate (DSC) for Signing & Encryption (Required both digital signature certificate: Signing & Encryption) of bids issued by any of the valid Certifying Authorities (approved by Controller of Certifying Authorities) in India. Valid Digital Signature Certificate (DSC) must be installed in a computer system from where you want to access the website.

For Unregistered Suppliers in EPS:

Procedure for Online Registration in EPS for Open Tender Suppliers for BHEL. Please follow the below steps for registration: -

1. Click Register Button (Top of the Screen).



General Contract Conditions (GCC) of MM Tenders

[Address: BHEL Industrial Valve Plant: 433, Industrial Complex, Goindwal Sahib, Distt Tarn Taran, Punjab-143422]

2. Please input your organization PAN No (in case of Indian supplier) or select your "country" in case you are an overseas Supplier.
3. Select Units to participate in.
4. Fill up Company details.
4. Key in your desired login id If you have registered by keying in PAN No. then your desired login id will be prefixed by "OTI", In case of overseas suppliers it will be also prefixed with "OTI".
5. Fill in the Captcha code & agree to the terms & conditions and privacy policy of this website and click SUBMIT.

Once the above steps are completed, contact to M/s eProcurement Technologies Limited for ID Activation. M/s e Procurement Technologies limited, Ahmedabad will activate your ID within 2 business hours. After registering, follow the steps provided in "For Registered Supplier" to view RFQ.

NB: - 1 BHEL Administrator or user will have no role for approving Registration and Open Tenders and DSC for any supplier who has registered himself from the front END which is in case of OT.

For Registered Supplier in EPS:

1. Supplier visits EPS home page
2. Supplier Login in with their user id and password
3. Search the RFQ ID and views it.
4. Attaches themselves to the RFQ by clicking the "I/We wish to participate".
5. Supplier fills the bid template and makes necessary attachments
6. Supplier submits their bid by clicking Sign, Encryption & Save button.

In any problem is faced by supplier while login/registration in EPS (<https://bhel.abcpocure.com>) and any other assistance, please contact the support team of M/s e Procurement Technologies limited, Ahmedabad as per details mentioned in table below: -

Name	Contact Nos.	e-mail ID	Role	Location
Mukunthan	+91 6353215001	Trichy.bhel@eptl.in	Support Executive	Trichy
Swapnil Hamilton	+91 7940270549	swapnil.h@eptl.in	Support Executive	HO – Ahmedabad
Hardik Oza	+91 7940270560	Hardik.oza@eptl.in	Support Executive	HO – Ahmedabad
Ankur Bhatt	+91 7940270590	ankur.bhatt@eptl.in	Support Executive	HO – Ahmedabad
Prashant Rajyaguru	+91 7940270545	prashant@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Manager – Implementation & Support	HO – Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	Sr Mgr – Implementation & Support	HO – Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	Sr Manager – Implementation & Support	HO – Ahmedabad

G2 OTHER IMPORTANT INFORMATION RELATED TO E-PROCUREMENT TENDERS

1. The bidder has to keep track of any changes by viewing the addendum / Corrigendum's issued by the Purchaser on time-to- time basis in the E-Procurement platform. The Company calling for tenders shall not be responsible for any claims/problems arising out of this.
2. The user should complete all the processes and steps required for bid submission. The successful bid submission can be ascertained once acknowledgement is given by the system through bid submission number after completing all the processes and steps. BHEL and M/s e Procurement Technologies limited will not be responsible for incomplete bid submission by users. Users may also note that the incomplete bids will not be saved by the system and are not available for the Purchaser for processing.
3. Before uploading scanned documents if any, the bidders shall sign on all the statements, documents, certificates uploaded by him, owning responsibility for their correctness / authenticity.
4. On the due date of tender opening, only technical bids will be opened. The opened technical bids will be evaluated by us and clarifications required, if any, will be called for from the bidders on technical and commercial points. If no reply is received from the vendor for the clarification raised by BHEL with in the final cut-off date, those vendors offer will be processed with the documents available / submitted against this tender. Offers not meeting the required specification and technical condition will be summarily rejected. The price bids of technically suitable bidders will be opened on a later date with prior intimation to techno-commercially suitable bidders.
5. Ranking L-1, L-2 etc. shall be done for individual item for the techno-commercially acceptable offers on landed cost to BHEL, IVP Goindwal basis and BHEL reserves the right to place order for individual items with different vendors. In the event of more than one vendor becoming L1 for the item, the enquiry quantity will be shared equally among all the L1 vendors.
6. BHEL reserves the right to negotiate with L1 vendor or re-float the tender for items where, L1 price is not the lowest acceptable price; BHEL reserves the right to increase or decrease the tender quantity.
7. If supplier is mentioning delivery destination within state/ outside state depending upon his location of factory, Free On Road etc these are assumed as on FOR Goindwal. If supplier is wishing to give delivery on Ex works basis, then he has to clearly mention about it.

G3 PRICE BASIS

- a. Order of enquiry item sl. No. shall be maintained in the quotation.
- b. The rates quoted shall be firm and fixed. No price variation is proposed and allowed.
- c. Rates quoted should be F.O.R Goindwal basis. If bidder has quoted Ex Works, loading shall be done as per BHEL discretion for tender evaluation.

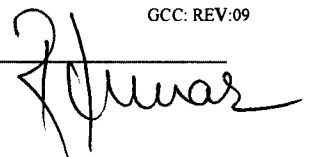
Variation in GST or any other statutory levies during contractual delivery period shall be to BHEL's account

G4 VALIDITY OF OFFERS:

The offers shall be kept open for acceptance 'for number of days mentioned in special terms and conditions' from the date of opening of the tender. In case of extension of tender opening date, the validity shall be suitably revised.

G5 SCOPE OF SUPPLY

Material shall be supplied as per the applicable latest Technical Delivery Conditions (TDC)/ Material Standard requirements/BPS/Drawing and other requirement as given in the Tender





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Enquiry. National & International material Standards shall have to be arranged by vendors themselves.

G6 REPLACEMENT OF REJECTION

If the material is rejected due to defective workmanship during inspection or at the time of actual use, within the guarantee period (i.e. as per clause 13), the rejected material shall be replaced by the supplier. Corresponding quantity shall be treated as unsupplied against respective purchase order till replacement is received at BHEL. If the material is found defective and rejected during use for which payment has already been released the rejected quantity shall be supplied free of cost by the vendor within a month of intimation of the rejection by BHEL.

Lifting of rejected material is under Supplier's scope. BHEL will inform related invoice, qty etc to supplier. Supplier is expected to give the plan to lift and advance intimation when visiting to lift the material. Material should be lifted within one month from date of intimation. After one month BHEL will not be responsible for rejected material. BHEL may decide to send the rejected material on to Pay basis to supplier. Any leniency/ unresponsiveness/delay on part of supplier may lead to appropriate action by BHEL. Any request to postpone in written may be considered but replacement should not be linked with lifting of material.

G7 SUPPLIED MATERIAL ADJUSTMENT

Item/s pending in previous PO has to be billed in previous PO only. Otherwise BHEL will be free to adjust the supplies in previous PO. Any implication of tax will be on supplier's account. For this it is desirable to reconcile the pending PO statement every month/frequently. BHEL will give pending PO statement every month. This can also be viewed at Portal (<http://vis.bheltry.co.in/mm/index.jsp>).

G8 DELIVERY SCHEDULE

Supplies shall be affected and completed as per schedule mentioned in special terms and conditions. **Further, BHEL may release delivery schedule from time to time based upon our requirement with mutual understanding.** Vendor shall be required to complete the order as per the BHEL schedule requested.

G9 ACCESS TO MANUFACTURING PREMISES:

While Purchase Orders placed on the vendor are under execution, authorized representatives of BHEL shall be allowed free access to the manufacturing facilities for the purpose of inspection or monitoring the progress of purchase orders. This access will also be extended to representatives of BHEL's customers accompanying the authorized representative/s of BHEL (which shall be intimated in advance), if our contractual requirements with our customers call for the same.

G10 TERMS OF PAYMENT:

- a. Due payment against supplies received shall be due after 30 days of receipt and acceptance of material and shall be paid within next 15 days' period. In case of any deviation from standard payment term mentioned, BHEL at its discretion may load on the item price at "Base rate of SBI (as applicable on the date of bid opening; Techno-commercial bid opening) + 6% shall be considered for loading for the period of relaxation sought by bidders.
- b. Documents to be submitted (if applicable)
 - i. Tax invoice (Invoice shall be GST compliant and should contains all the required information such as GST No, HSN code etc.)
 - ii. Transporter copy along with material/consignment.
 - iii. Material Test Certificates (MTC) and
 - iv. Compliance Certificate.
- c. GST registration number is to be submitted by qualified vendor as per GST law.
- d. It is mandatory to mention proper material codes in the invoices and separate invoices to be raised for different POs.

e. BHEL releases payment through EFT mode ONLY. Necessary details may please be submitted by filling required format before release of payment.

f. Conditions relating to release of GST portion:

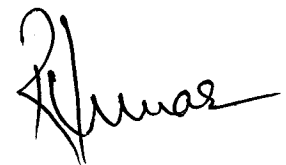
Payment of GST portion will be released to vendor only upon completion of statutory requirement and further subject to following:

The reimbursement of GST portion of invoice shall be released only upon: -

1. vendor declaring such invoice in his GSTR-1 and
 2. receipt of goods and Tax invoice by BHEL and
 3. Confirmation of payment of GST thereon by vendor on GSTN portal.
 4. Above is subject to receipt of goods/service and tax invoice thereof along with vendor declaring invoice in his return and paying GST within timeline prescribed for availing ITC by BHEL.
- In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied / leviable on BHEL.
 - In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.

G11 AVAILING INPUT TAX CREDIT (ITC) BY BHEL:

1. Since ITC can be availed only when BHEL is in possession of GST Tax invoice and after receipt of goods. Thus, vendor to ensure timely dispatch of goods and Tax invoice. It may be noted that in case of any delay in receipt of Tax Invoice and/or receipt of goods, the ITC availment by BHEL will get delayed thus entailing additional cash outflow & may even get denied if ITC availment timelines are breached.
2. Further ITC can be availed only when vendor has declared such invoice in his outward supply Return GSTR-1 and after GST thereon has been paid by him at the time of filing of monthly Return.
3. If GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.
4. Further, in case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied/leviable on BHEL.



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G12 LIABILITY UNDER REVERSE CHARGE (RCM)

Any GST liability arising on BHEL under Reverse Charge (RCM) before actual receipt of goods and/ or Invoice thereof would be subject to recovery of Interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of Invoices and other conditions specified in GST Law as applicable.

G13 INSPECTION

- All required tests as called in referred material standard/BHEL/TDC/drawing etc shall be carried out by vendor at no extra cost. **BHEL may decide to inspect itself/arrange third party at vendors' works itself as and when necessary with prior intimation to the vendor.** No additional charges shall be claimed for such inspections.
- Third party inspection charges will be borne by BHEL. Moreover, all required infrastructure (testing, tools etc) have to be arranged by supplier.
- Vendor will give inspection call sufficiently in advance considering the delivery period stipulated in the purchase order.**
- Material Test Certificates (MTC), Inspection reports and Compliance/Guarantee Certificate are to be provided along with the supplies.
- Latest applicable revisions of standards/procedures to be referred. International/National standards are to be arranged by vendor.
- Any inspection carried out before supply by vendor/incoming stage at BHEL notwithstanding, if any defect/non-conformity is noted during processing, the same shall be attended/replaced by vendor at no extra cost.
- Necessary tooling including thread gauges etc. have to be arranged by vendor. Only in exceptional cases, based on BHEL discretions item/nature, BHEL may consider request to provide gauges if available with BHEL. But in no case this shall be linked with delivery of material.
- BHEL representative from unit or CQ is authorized to carry out audits along with TPIA at vendor's works before clearing the items for dispatch.

G14 PREFERENCES FOR MSE's

Preferences as mentioned in "Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012" & "Public Procurement Policy for Micro and Small Enterprises (MSEs) Amendment Order, 2018", shall be given to Micro and Small enterprises.

Main points which are mentioned in the above orders are as follows:

- 25% Procurement of the tender value shall be made from MSE (Micro, Small Enterprises) firms.
- 25% of the 25% quantity (i.e. 6.25% of the tender quantity) offered to the MSE's shall be reserved for MSE's owned by SC/STs. Failure to participate by any MSE owned by SC/ST's; this 6.25% quantity shall be procured from other MSEs.
- 3% from within the 25% quantity offered to the MSE's shall be reserved for women owned MSE's. Failure to participate by any MSE owned by women; this 3% quantity shall be procured from other MSEs.
- EMD shall be exempted for MSE's. All these benefits are subject to production of all statutory documents
- In tender, participating Micro and Small Enterprises quoting price within price band of L1+15 per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and

such Micro and Small Enterprise shall be allowed to supply up to 25 per cent of total tendered value. In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity).

“MSE suppliers can avail the intended benefits only if they submit along with the offer UAM (Udyog Aadhaar Memorandum), 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 a CA certificate (Format enclosed at Annexure -1 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 is 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 Gazetted officer.

G15 GUARANTEE/WARRANTEE

Vendor shall give a guarantee of 18 months from the date of dispatch or 12 months from date of receipt, against manufacturing defects, whichever is earlier. In case of non-acceptance of this term bid will be rejected.

G16 PENALTY FOR LATE DELIVERY

‘Time is the essence of the contract’. As such, delivery of goods specified in the Purchase Orders released under the scope of this contract shall be made within the time limit prescribed therein. Penalty for late delivery will be applicable @ 0.5% per week or part thereof subject to a maximum of 10.0 %.

If any vendor does not accept LD ½% of the supply for each week of delay subject to a maximum of 5%, their offer is likely to be rejected by BHEL and the price bid shall not be opened. Bidders accepting for 10% LD shall not be loaded on account of LD. However, bidders who offer any other % LD [between 5% to 10%] shall be loaded @ % deviation from 10% and their accepted %. e.g. If a bidder accepts for a max of 7% LD only, their offer would be loaded @ 3% (10 – 7 = 3).

BHEL reserves the right to receive or not receive the material after the due date of PO. Applicable GST shall also be recovered from suppliers/contractors on LD amount. For this Debit note will be issued by BHEL indicating the respective supply invoice number.

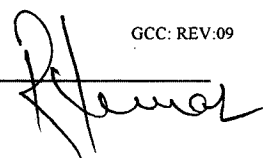
G17 RISK PURCHASE

BHEL shall be entitled to terminate the contract/pending POs at any stage and to purchase elsewhere at the risk and cost of the vendor, either the whole of the goods or any part thereof which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid. Vendor shall be liable for the losses, which BHEL may sustain by way of such risk purchase.

G18 SUB-CONTRACT

The purchase order or any part thereof shall not be sub-contracted, assigned or otherwise transferred without previously obtaining the BHEL's consent in writing.

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G19 FORCE MAJEURE

If at any time during the continuance of the contract, the performance in which or in any part by either party of any obligations under the contract are prevented or delayed by reason of any war, hostilities, acts of public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine restrictions, or acts of God (hereinafter referred to "an events" then provided the notice of happening of any such event is given by either party to the other within 21 days of the occurrence thereof, neither party shall by reason of such event be entitled to terminate the contract nor shall either party have any claim for damages against the other in respect of such non-performance and delay in performance and delivery under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist. If the performance in whole or part of any obligation under the contract is prevented or delayed by reason of any such event, claims of extension of time shall be granted for periods considered reasonable by BHEL subject to prior notification by the vendor to BHEL of the particulars of the event and supply to BHEL, if required, of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed a waiver of time in respect of remaining deliveries.

G20 DISPUTES

In the event of any dispute and/or difference arising between the Vendor and BHEL as to interpretation and/or execution of the contract and/or the respective rights and liabilities of the parties, such disputes and/or differences shall be referred to the sole arbitrator nominated by BHEL. The provisions of the Indian Arbitration Act and the rules there under shall apply to such arbitration. The award passed by the arbitrator shall be final and conclusively binding on all the parties.

G21 JURISDICTION

The court of the place from where the purchase order is issued during the contractual period shall alone have jurisdiction to decide any dispute arising out of or in connection with the purchase order.

G22 CLARIFICATIONS

The correspondence exchanged against the tender from both tenderer and BHEL through email/e-procurement are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business. Any transaction pertaining to the tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

G23 LOI (Letter of Intent)

BHEL may issue LOI prior to the PO for any reason whatsoever. The LOI in such cases is to be treated as PO for all practical purposes and all the Terms & Conditions of the tender shall be applicable from the date of issue of LOI.

G24 WORDS AND FIGURES

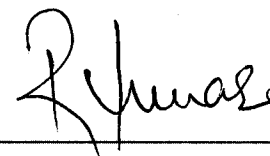
- a. If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion 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 of (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.
- e. Bids should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid else shall be liable for rejection.
- f. All overwriting/cutting, etc will be numbered by bid opening officials and announced during bid opening.

G25 GENERAL

- a. BHEL will not be bound by any power of attorney granted by the vendors or by changes in the composition of the firm made subsequent to the execution of the contract. They may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the vendor concerned.
- b. BHEL reserves the right to extend the due date of opening, which shall be informed. Validity of offer shall be deemed to be revised accordingly.
- c. BHEL reserves the right to accept or reject any part or whole of the tender of a bidder by assigning a valid reason thereof. BHEL reserves the right to cancel the tender without assigning any reason thereof and without any obligation before any commitment.
- d. If possible, please submit soft copy of price quotation [copied on a blank CD of standard make] put in the sealed offer.
- e. Acceptance of all terms and conditions, in the form of signed copy of T&C or confirmation separately written, shall be submitted along with quotation. If nothing is mentioned, it shall be concluded that terms and conditions are acceptable.
- f. BHEL may increase/decrease item/s based on BHEL requirement before price bid opening. Suitable price implication may be asked from suppliers.
- g. BHEL may drop item/items from tender at any stage of tender before placing PO. BHEL may also delete PO with consent with supplier within delivery date of PO.
- h. After releasing PO, it is assumed that supplier has accepted PO if we do not receive acknowledgement from supplier within 5 days of date of PO.
- i. Any term is special tender terms and conditions will supersede the GCC.
- j. BHEL reserves the right to negotiate with L1 bidder/s.

G26 BANNED FIRMS

The offers of the bidders who are on the banned list as also the offer of the bidders, who engage in the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com.



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G27 DISCLAIMER CLAUSE: (Only for E procurement)

Neither the Organization (Bharat Heavy Electricals Ltd.) nor the service provider (M/s e Procurement Technologies limited) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof.

G28 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.

G29 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).

G30 SUSPENSION OF BUSINESS DEALINGS WITH DEFAULTERS

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

1.0 Integrity commitment, performance of the contract and punitive action thereof:

1.1. Commitment by BHEL:

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Tarn Taran, Punjab-143422]

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(s) in a transparent and fair manner, and with equity.

1.2. Commitment by Bidder/ Supplier/ Contractor:

1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.

1.2.2. The bidder/ supplier/ contractor 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 relevant guidelines issued from time to time by Govt. of India/ BHEL.

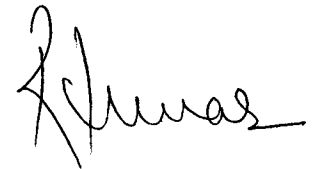
1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on [www. bhel.com](http://www.bhel.com) and/or under applicable legal provisions

G31 PREFERENCE TO MAKE IN INDIA

For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017, 28.05.2018 & 29.05.2019 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT 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.



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-11) 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 Scale 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

(Strike off whichever is not applicable)

The above investment of Rs.....Lacs is within permissible limit of Rs.....Lacs forMicro / 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/yyyy) 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