



PO: SUNABEDA, DIST: KORAPUT

ODISHA- 763002, INDIA

Phone: 06853-220295, Fax: 06853-220217

INVITATION TO TENDER

TITLE: SEALING RING

SI No	MPR No	HSN Code (Tentative)	PART NO	ITEM DESCRIPTION	Qty	Unit
1	24VH-1009	8411	K-015.0503	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO-840),TA NO-1443 :: 1.These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For Identification, these parts are prefixed by K. The vendor should have a valid type approval during supply of these items.</p> <p>2.Each batch of seals shall carry suppliers test report for a) Dimensions b) Physico-mechanical properties indicating date of manufacturing (curing), life validity , rubber mixing date. The vendor should have a valid type approval at the time of supply.</p> <p>3. 05% or 10 nos dimensional checks which ever is more and 100% visual inspection are to be carried out at HAL,Koraput for acceptance. The seals should be free from surface defects (like imperfections ,porosity/voids,inclusions,flow marks etc.)</p> <p>4. Each batch of seals should carry one set of test slabs (10 nos of dumbbell specimen, 2 nos of hardness test specimen and 6 nos of cylindrical buttons) for checking its properties as per TA-1443 Point no-1 to 7.</p>	74	NOS.

2	24VH-1009	8411	K-015.0872	<p>5. The seals shall be properly identified during storage.</p> <p>6. Items should have minimum shelflife of 3 years from the date of manufacturing and items should be supplied to HAL,Koraput within 03 months from the date of manufacturing.</p> <p>SEALING RING</p> <p>74</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO.840),TA NO-1443 :: 1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings(per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	74	Nos
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3	24VH-1009	8411	K-2267A-322	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO-840),(TA NO-840),TA NO-1443 :: 1.These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For identification, these parts are prefixed by K.The vendor should have a valid type approval during supply of these items.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life validity and rubber mixing date.</p> <p>3.05% or 10 nos dimensional checks which ever is more and 100% visual inspection are to be carried out at Koraput for acceptance.The seals should be free from surface defects (like imperfections, porosity /voids, inclusions,flow marks etc.)</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TA-1443 (Point no: 1to7)and TA-859 (Point no: 1-8 of Appendix-A).</p> <p>5. The seals shall be properly identified during storage.</p> <p>6. Items should have minimum shelflife of 03 years from the date of manufacturing and items should be supplied to HAL,Koraput within 03 months from the date of manufacturing.</p>	95	Nos
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4	24VH-1009	8411	K-2267A-87-2	<p>SEALING RING</p> <p>NOTE:</p> <p>As per TA No:TA NO-1443,(TA NO-840),(TA NO-840) :: 1. These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For identification, these parts are prefixed by K.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3. 10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 nos of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring preservation period for minimum 3 years.</p>	505	Nos.
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5	24VH-1009	8411	K-4025051	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO.840),TA NO -1443 :: 1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings(per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	1669	Nos.
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6	24VH-1009	8411	K-015.0663	<p data-bbox="824 23 1286 52">SEALING RING</p> <p data-bbox="824 100 1286 130"><u>NOTE:</u></p> <p data-bbox="824 174 1286 430">As per TA No:(TA NO.840),TA NO-1443 :: 1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p data-bbox="824 464 1286 682">2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p data-bbox="824 716 1286 819">3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p data-bbox="824 852 1286 1071">4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p data-bbox="824 1104 1286 1249">5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p data-bbox="824 1283 1286 1344">6. The seals shall be properly identified during storage.</p> <p data-bbox="824 1377 1286 1522">7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	60	Nos.
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7	24VH-1009	8411	K-2267A-179	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO-840),(TA NO-840),TA NO-1443 :: 1.These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For identification, these parts are prefixed by K.The vendor should have a valid type approval during supply of these items.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life validity and rubber mixing date.</p> <p>3.05% or 10 nos dimensional checks which ever is more and 100% visual inspection are to be carried out at Koraput for acceptance.The seals should be free from surface defects (like imperfections, porosity /voids, inclusions,flow marks etc.)</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TA-1443 (Point no: 1to7).</p> <p>5. The seals shall be properly identified during storage.</p> <p>6. Items should have minimum shelflife of 03 years from the date of manufacturing and items should be supplied to HAL,Koraput within 03 months from the date of manufacturing.</p>	18	Nos.
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8	24VH-1009	8411	K-2267A-282	<p data-bbox="821 23 1289 52">SEALING RING</p> <p data-bbox="821 100 1289 130"><u>NOTE:</u></p> <p data-bbox="821 174 1289 485">As per TA No:(TA NO-531),(TA NO-531),TA NO-1443 :: 1.These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For identification, these parts are prefixed by K.The vendor should have a valid type approval during supply of these items.</p> <p data-bbox="821 531 1289 737">2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life validity and rubber mixing date.</p> <p data-bbox="821 783 1289 1026">3.05% or 10 nos dimensional checks which ever is more and 100% visual inspection are to be carried out at Koraput for acceptance.The seals should be free from surface defects (like imperfections, porosity /voids, inclusions,flow marks etc.)</p> <p data-bbox="821 1073 1289 1278">4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TA-1443 (Point no: 1to7).</p> <p data-bbox="821 1325 1289 1383">5. The seals shall be properly identified during storage.</p> <p data-bbox="821 1430 1289 1635">6. Items should have minimum shelflife of 03 years from the date of manufacturing and items should be supplied to HAL,Koraput within 03 months from the date of manufacturing.</p>	24	Nos.
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9	24VH-1009	8411	K-26.5.0107	<p>SEALING RING</p> <p><u>NOTE:</u> As per TA No:(TA NO. 840),TA NO-1443 :: 1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	45	Nos.
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10	24VH-1009	8411	K-5125A-16	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO. 840),TA NO-1443 :: 1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	65	Nos.
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11	24VH-1009	8411	K-5125A-4	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO.840),TA NO-1443 ::</p> <p>1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	63	Nos.
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12	24VH-1009	8411	K-52525065	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO.840),TA NO-1443 ::</p> <p>1.These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3.10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 05 no.s (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	72	Nos.
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13	24VH-1009	8411	K-H25.0034	<p>SEALING RING</p> <p><u>NOTE:</u></p> <p>As per TA No:(TA NO. 840),TA NO-1443 ::</p> <p>1. These parts are reverse engineered from OEM component and manufactured with type approved raw material. For identification, these parts are prefixed by K and suffixed by developers material code.</p> <p>2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p>3. 10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p>4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 no.s of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p>5. Additional 1.5gram of sealing rings (per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p>6. The seals shall be properly identified during storage.</p> <p>7. The consignment shall be supplied in well pack condition ensuring during preservation period for minimum 3 years.</p>	72	Nos.
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14	24VH-1009	8411	K-2267A-220-2	<p data-bbox="781 23 1289 58">SEALING RING</p> <p data-bbox="781 100 1289 136"><u>NOTE :</u></p> <p data-bbox="781 174 1289 380">As per TA No:(TA NO-840),(TA NO-840),TA NO-1443 :: 1. These parts are manufactured based on OEM component STANDARD/Drawing with type approved raw material. For identification, these parts are prefixed by K.</p> <p data-bbox="781 422 1289 594">2. Each batch of seals shall carry suppliers test report for a) dimensions b) physico-mechanical properties indicating date of manufacturing (curing), life upto, and rubber mixing date.</p> <p data-bbox="781 636 1289 737">3. 10% dimensional checks and visual inspection are to be carried out at Koraput for acceptance.</p> <p data-bbox="781 779 1289 984">4. Each batch of seals shall carry one set of test slabs (10 no.s of dumbbell specimen, 2 nos of hardness test specimen and 6 no.s of cylindrical buttons) for checking its properties as per TS/760-2011.</p> <p data-bbox="781 1026 1289 1161">5. Additional 1.5gram of sealing rings(per batch of maximum 300 no.) shall be supplied for swelling test as per above test schedule.</p> <p data-bbox="781 1203 1289 1270">6. The seals shall be properly identified during storage.</p> <p data-bbox="781 1312 1289 1413">7. The consignment shall be supplied in well pack condition ensuring preservation period for minimum 3 years.</p> <p data-bbox="781 1455 1289 1491"><u>NOTE:</u></p> <p data-bbox="781 1533 1289 1600">1)Items to be supplied from latest manufacturing batch .</p> <p data-bbox="781 1642 1289 1919">2) Offers received from HAL approved vendors for the respective parts where release note are approved by CEMILAC/HAL (KPT) will be considered only for technical evaluation and further commercial processing” to enable technical evaluation of our vendor’s quotes and process further.</p>	45	Nos.
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