

# BILL OF QUANTITIES

## BOQ-I

## 1A. FOR BRIDGE NO. 164

**OPTION-A [Delivery at IMPHAL(MANIPUR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. IMPHAL (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
1	DESIGN, PREPARATION OF DRAWINGS, SECURING APPROVAL FROM ENGINEER, SUPPLYING, MANUFACTURING OF SPHERICAL BEARINGS INCLUDING ANCHOR PLATES & BOLTS AS PER APPROVED DRAWINGS, TRANSPORTING OF BRIDGE BEARINGS TO THE DESTINATION MENTIONED IN SPECIAL CONDITION OF CONTRACT CLAUSE NO. 05. INCLUDING PAINTING THE SAME WITH APPROVED PAINT AS DIRECTED BY THE ENGINEER. THE RATE SHOULD BE INCLUSIVE OF ALL TAXES & DUTIES AND DELIVERY CHARGES AT FOR MENTIONED IN BOQ-1								
<b>i)</b>	<b>For 28.50 m Span</b>								
	Fixed spherical bearings, Vmax = 505 T, Hmax = 368 T for 30m span	EACH	02						
	Guided spherical bearings Vmax = 505 T, Hmax = 154 T for 30m span	EACH	02						

## 1A. FOR BRIDGE NO. 164 (cont'd)

**OPTION-A [Delivery at IMPHAL(MANIPUR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. IMPHAL (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-A]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M, 69.0M and 28.5M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -1 & 2.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.

## 1B. FOR BRIDGE NO. 164

**OPTION-B [Delivery at MUNGER(BIHAR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. MUNGER (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
1	DESIGN, PREPARATION OF DRAWINGS, SECURING APPROVAL FROM ENGINEER, SUPPLYING, MANUFACTURING OF SPHERICAL BEARINGS INCLUDING ANCHOR PLATES & BOLTS AS PER APPROVED DRAWINGS, TRANSPORTING OF BRIDGE BEARINGS TO THE DESTINATION MENTIONED IN SPECIAL CONDITION OF CONTRACT CLAUSE NO. 05. INCLUDING PAINTING THE SAME WITH APPROVED PAINT AS DIRECTED BY THE ENGINEER. THE RATE SHOULD BE INCLUSIVE OF ALL TAXES & DUTIES AND DELIVERY CHARGES AT FOR MENTIONED IN BOQ-1								
i)	<b>For 28.50 m Span</b>								
	Fixed spherical bearings, Vmax = 505 T, Hmax = 368 T for 30m span	EACH	02						
	Guided spherical bearings Vmax = 505 T, Hmax = 154 T for 30m span	EACH	02						

## **1B. FOR BRIDGE NO. 164 (cont'd)**

**OPTION-B [Delivery at MUNGER(BIHAR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. MUNGER (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-B]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M, 69.0M and 28.5M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -1 & 2.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.

## 1C. FOR BRIDGE NO. 164

**OPTION-C [Delivery at HPY-KOLKATA(WB)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. KOLKATA (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
1	DESIGN, PREPARATION OF DRAWINGS, SECURING APPROVAL FROM ENGINEER, SUPPLYING, MANUFACTURING OF SPHERICAL BEARINGS INCLUDING ANCHOR PLATES & BOLTS AS PER APPROVED DRAWINGS, TRANSPORTING OF BRIDGE BEARINGS TO THE DESTINATION MENTIONED IN SPECIAL CONDITION OF CONTRACT CLAUSE NO. 05. INCLUDING PAINTING THE SAME WITH APPROVED PAINT AS DIRECTED BY THE ENGINEER. THE RATE SHOULD BE INCLUSIVE OF ALL TAXES & DUTIES AND DELIVERY CHARGES AT FOR MENTIONED IN BOQ-1								
i)	<b>For 28.50 m Span</b>								
	Fixed spherical bearings, Vmax = 505 T, Hmax = 368 T for 30m span	EACH	02						
	Guided spherical bearings Vmax = 505 T, Hmax = 154 T for 30m span	EACH	02						

## 1C. FOR BRIDGE NO. 164 (cont'd)

**OPTION-C [Delivery at HPY-KOLKATA(WB)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. KOLKATA (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-C]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M, 69.0M and 28.5M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -1 & 2.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.

## 2A. FOR BRIDGE NO. 130

**OPTION-A [Delivery at IMPHAL(MANIPUR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. IMPHAL (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-A]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M and 69.0M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -3.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.



## 2B. FOR BRIDGE NO. 130

**OPTION-B [Delivery at MUNGER(BIHAR)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. MUNGER (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-B]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M and 69.0M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -3.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.

**TENDERER BBJ**

## 2C. FOR BRIDGE NO. 130

**OPTION-C [Delivery at HPY-KOLKATA(WB)]**

SL NO	DESCRIPTION OF ITEM	UNIT	QTY.	BASE RATE(RS.)	EXCISE DUTY (RS.)	VAT/CST/ OTHER TAXES & DUTIES, AS APPLICABLE (RS.)	DELIVERY CHARGE F.O.R. KOLKATA (RS.)	TOTAL UNIT RATE (RS.)	TOTAL AMOUNT (RS.)
ii)	<b>For 69.00 m Span</b>								
	Fixed spherical bearings Vmax = 1052 T, Hmax = 516 T for 71.5m span	EACH	04						
	Guided spherical bearings Vmax = 1052 T, Hmax = 381 T for 71.5m span	EACH	04						
iii)	<b>For 103.5 m Span</b>								
	Fixed spherical bearings Vmax = 1300 T, Hmax = 870 T for 103.5m span	EACH	10						
	Guided spherical bearings Vmax = 1300 T, Hmax = 430 T for 103.5 m span	EACH	10						
<b>TOTAL AMOUNT [OPTION-C]</b>									

**Note:-**

- 1) Drawings for the above bearings are to be made by the manufacturer and to get the same approved by the Engineer prior to final manufacture the above required items.
- 2) General Arrangement (G.A.) drawings of 103.5M and 69.0M span is not attached with this tender document. The bidders may see the General Arrangement drawings at BBJ office at 27, R.N. Mukherjee Road, Kolkata-700 001 during Office hours till last date of issue of Tender.
- 3) The load data given in BOQ is indicative. The bearings are to be designed according to the load data given in separate sheets marked Annexure -3.
- 4) Bridge no. should be clearly marked on the bearings along with longitudinal and transverse axis direction.