

GOVERNMENT OF INDIA  
MINISTRY OF FINANCE  
DEPARTMENT OF ECONOMIC AFFAIRS

**LOK SABHA**  
**UN-STARRED QUESTION NO. 4295**  
**TO BE ANSWERED ON 27<sup>th</sup> March, 2023/ 6 Chaitra, 1944 (Saka)**

**BoT and Hybrid Contracts**

**NO. 4295: SHRI VINCENT H. PALA:**  
**SHRI JAYADEV GALLA**

**Will the Minister of Finance be pleased to state:**

- (a) the top 50 BoT (Annuity) contracts that the Government has signed under the PPP mode;
- (b) the name of the concessionaire for each of such projects;
- (c) the annuity amount that has been disbursed for each of these projects by the Government during each of the last five years;
- (d) the top 50 Hybrid (Annuity) contracts that the Government has signed under the PPP mode;
- (e) the name of concessionaire for each of such projects; and
- (f) the annuity amount that has been disbursed for each of these projects by the Government during the said period?

**ANSWER**

**THE MINISTER OF STATE IN MINISTRY OF FINANCE**  
**(SHRI PANKAJ CHAUDHARY)**

**(a) to (f):** The details of BoT (Annuity)/Hybrid (Annuity) projects are enclosed at **Annexure I**. The name of concessionaire for these projects are enclosed at **Annexure II**.

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## 4. LIABILITY ON ANNUITY PROJECTS

(In ₹ Crores)

Ministry/ Department	Name of the Project	Value of the Project	Total Annuity Committed	Term in years (Annuity Period)			Annual Annuity	Amount of unpaid annuity liability at the end of the financial year 2021-22
				From	To	No.of Years		
Ministry of Road Transport & Highways-National Highways Authority of India								
1	AP/Karnataka border-Nandi Hill crossing & Devenhalli (KNT-1)	402.34	1185.84	20-04-2009	25-03-2027	18	65.88	329.40
2	Mokama-Munger	351.54	998.50	19-07-2013	14-05-2026	12.5	79.88	279.58
3	Two laning with paved shoulder of Purnea-Khagarai Section of NH-31 from Km 270 to Km 410 in the state of Bihar	664.00	1624.00	02-04-2014	02-10-2028	14.5	112.00	728.00
4	4 Laning of Hajipur-Muzaffarpur section on Nh77 from Km 0 to Km 46.300 and construction of 16.870 Km New by pass starting at Km 46.300 and connecting NH-28 East West Corridor at Km 515.045 in the state of Bihar	671.70	2365.00	01-03-2017	01-09-2029	12.5	189.20	1324.40
5	Kosi River on NH-57	418.04	1084.60	04-04-2010	04-04-2027	17	63.80	319.00
6	Gorakhpur Bypass	600.24	1701.00	04-04-2010	04-04-2027	17.5	97.20	534.60
7	Gwalior Bypass from Km 42.033 to Km 103 of NH-3	300.93	928.55	06-10-2009	06-04-2027	17.5	53.06	265.30
8	Kottakata-Kurnool (Hyderabad Bangalore Section) (NS-2/BOT/AP-5) Km 135.740-Km 211	611.00	1978.20	15-03-2009	13-09-2026	17.5	113.04	508.68
9	Hazaribagh-Ranchi	625.07	1986.48	14-03-2013	25-09-2028	15.5	128.16	768.96
10	Amritsar-Wagha Border	205.88	664.20	13-06-2010	30-06-2028	18	36.90	239.85
11	Jammu Udhampur Section(Jammu Bypass) (Udhampur bypass) (NHDP/Phase-II/BOT/VI/J&K)	1500.00	6864.60	01-06-2014	01-06-2031	17	403.80	3836.10
12	Rehabilitation, strengthening and four laning of Chenani to Nashri section of NH-1A including 9 Km long tunnel (2 lane) with parallel escape tunnel in the state of J&K (NHDP/Phase-II/BOT/VIJ&K)	2519.00	9525.60	07-09-2017	08-03-2032	15	635.04	6350.40
13	Jhansi to Lalitpur (NS-1/ BOT/ UP-2)	355.06	1048.25	27-03-2010	27-03-2027	17.5	59.90	299.50
14	Jhansi to Lalitpur (NS-1/ BOT/ UP-3)	276.09	838.25	27-03-2010	27-03-2027	17.5	47.90	239.50
15	Orai-Bhognipur (Km 220 to Km 255 ) & Bhognipur-Barah (Km 421.20 to Km 449)	465.00	1344.60	24-10-2009	24-04-2024	15	89.64	224.10
16	Two Lane with paved shoulder of Trichy Karaikudi Section of NH 210 and including Trichy bypass on NH 677	374.00	554.97	16-08-2014	15-02-2027	13	42.69	213.45
17	4 laning of Lucknow-Raebareilly Section from Km. 12.700 to Km 82.700 of NH-24B on DBFOT	635.90	1461.60	16-07-2015	15-07-2029	14.5	100.80	756.00
18	2 laning of Km 0 to Km 89 Muzaffarpur-Sonbarsh Section	512.00	1834.00	25-11-2013	24-05-2031	17.5	104.80	995.60
19	Four laning of Nagpur-Saoner-Betul section of NH-69	2498.76	9596.40	18-08-2015	18-08-2031	16.5	581.60	5525.20
20	Lakhnadon-MH Border (NS-1/BOT/MP-2)	263.17	673.05	26-09-2009	26-03-2027	17.5	38.46	192.30
21	Lakhnadon-MP/MH Border (Km 596.75-Km 653.225 of NH-7) in MP NS-1/BOT/MP-3	407.60	762.65	22-05-2010	22-10-2027	17.5	43.58	239.69
22	Kadal to Armur (NS-2/BOT/AP-8)	271.73	856.80	29-04-2010	29-10-2027	18	47.60	285.60
23	Islam Nagar to Kadtal (NS-2/BOT/AP-7)	518.46	1597.32	03-08-2010	29-02-2028	18	88.74	532.44
24	MH/AP Border to Islam Nagar (NS-2/BOT/AP-6)	360.42	1133.28	02-05-2010	02-11-2027	18	62.96	377.76

## Receipt Budget, 2023-2024

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(In ₹ Crores)								
Ministry/ Department	Name of the Project	Value of the Project	Total Annuity Committed	Term in years (Annuity Period)			Annual Annuity	Amount of unpaid annuity liability at the end of the financial year 2021-22
				From	To	No.of Years		
25	Armur-Kalkallu Village (NS-2/AP-2)	546.15	1896.30	26-03-2009	25-09-2026	18	108.36	487.62
26	Palanpur to Swaroopganj	498.00	1296.30	24-03-2009	24-03-2024	15	86.42	172.84
27	Four laning of Jorabat-Shillong (Barapani) Section of NH-40 from Km 0 to Km 61.800 in the State of Meghalaya and Assam under SARDP-NE	536.00	2465.34	28-07-2016	28-01-2031	17	145.02	1595.22
28	Shillong Bypass	226.00	596.88	25-09-2013	25-03-2025	12	49.74	149.22
29	Reengus to Sikar section from Km 298.075 to Km 341.962	333.51	544.39	01-09-2014	01-09-2028	14.5	37.54	244.01
30	Rehabilitation, Strengthening and four Laning of Srinagar to Banihal Section from Km 187 to Km 189.350 (Banihal Bypass) and Km 220.700 to Km 286.110 of NH 1-A in the State of Jammu & Kashmir (Package No: NHDP-Phase-II/BOT/II/J&K)	1600.00	4583.88	27-03-2018	27-03-2035	17	269.64	3505.32
31	Two laning with paved shoulder of Raebareli to Jaunpur section (Km 0 to Km 166.400) of NH-231 in the state of Uttar Pradesh under NHDP phase IV-A on DBFOT Pattern	569.36	1929.00	02-12-2016	02-06-2031	15	128.60	1221.70
32	Four-laning of Krishnagar-Baharampore Section of NH-34 from Km 115 to Km 193 in the State of West Bengal under NHDP-III on DBFOT [Cont. Pkg. NHDP-III/BOT/WB/02]	702.16	1530.00	04-01-2015	04-01-2027	12.5	122.40	612.00
33	Rehabilitation, Strengthening and four laning of Quazigund to Banihal Section of NH-1A from Km 189.350 to Km 204.700 including Tunnel (2-lane) of 8.45 Km length on DBFOT (Annuity) basis, in the state of Jammu & Kashmir (NHDP-Phase II/BOT/II/J&K)^	1987.00	7350.00	04-12-2016	04-06-2031	15	490.00	4655.00
<b>Total-Ministry of Road Transport and Highways</b>		<b>22,806.11</b>	<b>74,799.83</b>				<b>4,724.35</b>	<b>38,008.34</b>
<b>Ministry of Home Affairs-Delhi Police</b>								
1	Development of New Police Headquarters at Jai Singh Road, Parliament Street, New Delhi	286.00	1178.80	2020-21	2033-34	13	78	920.75
<b>Total Ministry of Home Affairs</b>		<b>286.00</b>	<b>1,178.80</b>				<b>78.00</b>	<b>920.75</b>
<b>Ministry of Jal Shakti-National Mission for Clean Ganga*</b>								
1	Development of 82 MLD Sewage Treatment Plants at Haridwar, Uttarakhand	279.65	219.05	26-03-2020	25-03-2035	15	14.60	182.99
2	Development of 50 MLD Sewage Treatment Plant at Varanasi, Uttar Pradesh	247.36	201.07	01-12-2021	31-12-2036	15	13.40	201.07
3	Rehabilitation and renovation of existing sewage treatment plant and construction of 30 MLD new STP and 20 MLD TTP at Mathura, Uttar Pradesh	728.25	614.51	01-01-2022	31-12-2037	15	40.97	614.51
4	Interception, Diversion and Treatment work for Naini (42MLD), Phaphamau (14MLD) and Jhunsi (18MLD) Sewage							



(In ₹ Crores)								
Ministry/ Department	Name of the Project	Value of the Project	Total Annuity Committed	Term in years (Annuity Period)			Annual Annuity	Amount of unpaid annuity liability at the end of the financial year 2021-22
				From	To	No. of Years		
	Treatment plants, Rehabilitation of existing Treatment infrastructure and O&M for 15 years in Prayagraj, Uttar Pradesh	1418.57	1239.99	01-06-2022	31-05-2037	15	82.67	N/A
5	Interception, Diversion and Sewage treatment work for Unnao (13MLD), Shuklaganj (06MLD), STP of 30 MLD capacity in Pankha along with integration of exiting STPs in Kanpur, Uttar Pradesh	1263.08	1145.18	01-06-2022	31-05-2037	15	76.35	N/A
6	10 MLD Budhana STP projects	52.5	280.58	01-12-2022	30-11-2037	15	18.71	N/A
7	25 MLD Muzzafarnagar STP projects	141.60	114.13	01-03-2023	28-02-2038	15	7.61	N/A
8	Interception, Diversion and Sewage Treatment work for Mirzapur (17 MLD)							
	Interception, Diversion and Sewage Treatment work for Ghazipur (21 MLD)	400.71	340.81	01-01-2024	31-12-2039	15	22.72	N/A
9	Interception, Diversion and Sewage Treatment work for Bareilly (63 MLD)	340.17	264.35	15-02-2024	14-02-2039	15	17.62	N/A
10	Interception, Diversion and Sewage Treatment work for Faizabad town in Ayodhya District (32 MLD)	206.86	166.45	01-11-2025	30-11-2040	15	11.10	N/A
11	Interception, Diversion and Sewage Treatment work for Agra-175.38 MLD	807.07	653.65	26-02-2025	25-02-2040	15	43.58	N/A
12	Interception, Diversion and Sewage Treatment work for Kankarbagh, Patna (50MLD) and Digha, Patna (100MLD)	1334.17	457.77	31-12-2023	30-11-2038	15	30.52	N/A
13	Interception, Diversion and Sewage Treatment work for Bhagalpur (65 MLD)	552.75	438.83	11-06-2024	10-06-2039	15	29.26	N/A
14	Interception, Diversion and Sewage Treatment work for Howrah (65 MLD), Bally (40 MLD), Baranagar & Kamarhati (60 MLD) in West Bengal	796.55	640.11	01-06-2023	31-05-2038	15	42.67	N/A
15	Interception & Diversion with STP- Maheshtala	388.78	300.13	15-02-2024	14-02-2039	15	20.01	N/A
<b>Total Ministry of Jal Shakti</b>		<b>9259.40</b>	<b>7076.61</b>				<b>471.79</b>	<b>998.57</b>
<b>Grand Total</b>		<b>32351.51</b>	<b>83055.24</b>				<b>5274.14</b>	<b>39927.66</b>

**Notes:**

1. Liability on account of approved annuity contracts as intimated by Ministries/Departments have been reported.

2. N/A indicates annuities payable at a future date.

^ In respect of M/o Road, Transport & Highways, since the annuity payment in the BoT (Annuity) project of "Rehabilitation, Strengthening & Four Lining of Quazigund to Banihal Section in the state of J&K" has started during the financial year 2021-22, the project has been included in the current years' statement.

\* In respect of M/o Jal Shakti, the value of projects under Hybrid Annuity based PPP mode includes payment of 40% of indexed capital cost during construction, interest on 60% balance outstanding and indexed O & M payments for 15 years. Total annuity committed includes 60% of indexed capital cost paid as Annuity for 15 years, interest on balance outstanding and indexed O & M cost. The equalised annuity mentioned may vary as during initial years the amount of payment will be higher and will be lower in the later part of 15 years concession period.

**Annexure II**

Sl.No.	Project Name	Concessionaire
<b>Ministry of Road Transport And Highways</b>		
1.	AP/ Karnataka Border - Devanahalli	B S Reddy
2.	2L of Mokama-Munger from km. 1.43 to km. 70.00 of NH-80	BSCPL -C & C Consortium
3.	2L PS of Khagaria - Purnea from km. 270.00 to km. 410.00 of NH-31	Punj Lloyd Infrastructure Ltd.
4.	4L of Hajipur-Muzaffarpur Section of the existing NH-77 from Km. 0+000 (Ramashish Chowk) to Km. 46+300 and new bypass starting at Km. 46+300 and connecting NH-28 of E-W Corridor at Km. 515+045	Gammon Infrastructure Projects Ltd.
5.	4 Lane Bridge Across River Kosi including Approaches km 155 - km 165 of Nh-57 (BR-5)	Gammon Infrastructure Projects Ltd.
6.	Gorakhpur Bypass (Km. 0.000 to Km. 32.27 connecting NH28)	Gorakhpur Infrastructure Company Limited
7.	Gwalior bypass	Era Infra Engineering Ltd.
8.	Kothakota bypass-Kurnool	GMR Infrastructure Ltd
9.	4L of Hazaribagh-Ranchi stretch of NH33 from Km 40.5 to Km114 including Kujju bypass	IL&FS Transportation Networks Ltd and Punj Lloyd Ltd.
10.	Amritsar - Wagah Border section of NH-1 from km 456.100 - km 492.030	Rohan Rajdeep Infra Private Limited
11.	4L of Jammu - Udhampur from km. 15.00 to km. 67.00 [Jammu Bypass - Udhampur] (Pkg No. NHDP-II/BOT/VI/J&K)	Athaang Jammu Udhampur Highway limited
12.	4L of Chenani - Nashri including 9 Km long tunnel (2L) with parallel escape tunnel	IL&FS Transportation Networks Ltd.
13.	Jhansi - Lalitpur section 1/2 from km. 0.00 to km. 49.70 (Package - NS1/BOT/UP-2)	Gayatri Projects Limited
14.	Jhansi - Lalitpur section 2/2 from km. 49.70 to km. 99.005 (Package - NS1/BOT/UP-3)	Gayatri Projects Limited
15.	4L of Orai - Bhognipur - Barah from km. 220.0 to km. 255.00 of Old NH-25 & from km. 421.20 to km. 449.00 on Old NH-02 (Pkg No. EW-II/BOT-UP)	O.B Infrastructure Pvt. Ltd. (OBIL)

16.	Trichy - Karaikudi including Trichy Bypass from Km. 10.000 to Km. 94.000 & Km. 110.016 to Km. 135.93 [Terminated]	Transstroy India Ltd - OSJC Consortium
17.	Lucknow – Raibareili	Essel Infra-projects Ltd
18.	Muzaffarpur - Sonbarsa Section of NH-77 from km 2.800 to km 89.000	BSC - C&C (JV)
19.	Nagpur-Betul Section of NH-69	Oriental Structural Engineers Pvt. Ltd.
20.	Lakhnadon - Seoni MP 2	Nava Bharat Ferro Alloys Ltd Hyderabad
21.	Seoni to MP/MH Border (MP 3) (Seoni - Mohgaon)	Sadbhav -SREI
22.	Four-laning of Kadtal to Armur from km.278.0 to km.308.0 of Old NH-7	Nirmal BOT Ltd
23.	Islam Nagar-Kadthal (AP 7)	Patel - KNR (JV)
24.	AP/Mah Border-Islam Nagar (AP 6)	Adilabad Expressway Pvt. Ltd
25.	Km 367.000 (Adloor Yellareddy) to Km 447.000 and Improvement, Operation & Maintenance of Km 447.000 to Km 464.000 (Gundla Pochanpalli) on Nagpur - Hyderabad section of NH-44 AP-2	GMR Infrastructure Ltd
26.	Palanpur/ Khemana - Abu Road - Swaroopganj from km. 340.00 to km. 264.00	Larsen & Toubro Ltd.
27.	4L of Jorabat Shillong (Barapani) section from 0.000 to km 61.800 of Old NH-40	IL&FS Transportation Networks Ltd. and Ramky Infrastructure Ltd
28.	2L of Shillong Bypass from km. 61.80 of Old NH-40 to km. 34.85 of Old NH-44	GR Infra-projects Ltd
29.	Reengus-Sikar (km 298.275 - km 341.047)	Reengus - Sikar Exressway Pvt. Ltd.
30.	Banihal to Srinagar (KM 187.00 to KM 189.35 and KM 220.70 to KM 286.11)	Ramky Infrastructure Ltd.
31.	2L PS of Raebareilly-Jaunpur from km. 0.00 to km. 166.400 of NH-231	PNC Infratech Pvt. Ltd.
32.	Krishnagar - Berhampore section from km 115.00 to km 193.00 of NH-34	SEW Infrastructure Limited
33.	Banihal (Km 189.350) to Quazigund (KM 220.700)	Navyuga Road Projects Pvt Ltd.
<b>Ministry of Home Affairs</b>		
1.	Development of New Police Headquarter at Jai Singh Road, Parliament Street, New Delhi	Eternal Building Asset Pvt. Ltd.

Ministry of Jal Shakti National Mission For Clean Ganga		
1.	Development of 82 MLD Sewage Treatment Plants at Haridwar, UttaraKhand	M/s HNB Engineers Pvt. Ltd.& formed SPV in name of M/s HNB Engineers Pvt. Ltd.
2.	Development of 50 MLD Sewage Treatment Plant at Varanasi, Uttar Pradesh	M/s. Essel Infra-projects Ltd. and formed SPV in name of M/s. Varanasi STP Project Pvt. Ltd.
3.	Rehabilitation and renovation of Existing Sewage treatment plant and construction of 30 MLD new STP and 20 MLD TTP at Mathura, Uttar Pradesh	M/s.Triveni Engineering & Industries Ltd. & formed SPV in Name of M/s. Mathura Wastewater Management Pvt. Ltd.
4.	Interception , Diversion and Treatment work for Naini (42 MLD), Phaphamau (14 MLD) and Jhunsi(16 MLD) Sewage treatment plants, Uttar Pradesh	Consortium of M/s.Adani Enterprises Ltd. and Organica Technologiak Zrt & formed SPV in name of M/s. Prayagraj Water Pvt. Ltd.
	Rehabilitation and Operation & maintenance of exiting STPs at Prayagraj Uttar Pradesh	
5.	Interception , Diversion and SewageTreatment work for Unnao (15 MLD) Uttar Pradesh	Consortium of M/s.Sapoorji Pallonji and SSG Infrastructure Private Ltd. & formed SPV in name of M/s. Kanpur River Management Pvt. Ltd.
	Interception , Diversion and Sewage Treatment work for Shuklaganj (05 MLD) Uttar Pradesh	
	Development of new STP of 30 MLD capacity in Pankha along with integration of exiting STPs in Kanpur Uttar Pradesh	
6.	Interception , Diversion and SewageTreatment work for Muzzafarnagar (54.5MLD) Uttar Pradesh	Consortium of GA Infra Limited and Lahoti Buildcon Limited & formed SPV in name of M/s. Muzaffarnagar STP Private Limited
	Interception , Diversion and SewageTreatment work for Budhana (10 MLD) Uttar Pradesh	
7.	Interception , Diversion and SewageTreatment work for Moradabad (25 MLD) Uttar Pradesh	Consortium of GA Infra Limited and Lahoti Buildcon Limited. & formed SPV in name of M/s. Moradabad STP Private Limited
8.	Interception , Diversion and Sewage Treatment work for Mirzapur , (17 MLD) Uttar Pradesh	Consortium of M/s. EMS Infracon Private limited- and M/s. EMIT Group & formed SPV in name of M/s. Mirzapur Ghazipur STPS Private Limited
	Interception , Diversion and Sewage Treatment work for Ghazipur (21 MLD) Uttar Pradesh	
9.	Interception , Diversion and Sewage Treatment work for Bareilly ( 63 MLD )	Enviro Infra Pvt. Ltd. & formed SPV in name of M/s. EIEPL Bareilly Infra Engineers Private Limited

10.	Interception , Diversion and Sewage Treatment work for Ayodhya - 32 MLD Uttar Pradesh	M/s. Eco protection Engineers Private Limited & Formed SPV in name of M/s. EPEPL Ayodhya STP Private Limited
11.	Interception , Diversion and Sewage Treatment work for Agra - 177.60 MLD	M/s. Vishvaraj Environment Pvt. Ltd. JV M/s. Vishvaraj Infrastructre Pvt Ltd. & formed SPV in name of M/s. Agra Waste Water Management Private Limited
12.	Interception , Diversion and Sewage Treatment work for Kankarbagh , Patna (50 MLD)	M/s. VA Tech Wabag & formed SPV in name of M/s. D K Sewage Project Private Limited for STP.
	Interception , Diversion and Sewage Treatment work for Digha , Patna (100 MLD)	
13.	Interception , Diversion and Sewage Treatment work for Bhagalpur (65 MLD)	M/s. Adani Enterprises Ltd. and M/s. Organica Technológiák Zrt. & formed SPV in name of SPV M/s. Bhagalpur Waste Water Ltd.
14.	Interception , Diversion and Treatment work for Howrah (65 MLD)	M/s. VA Tech Wabagh Ltd.& formed SPV in name of M/s. Ganga STP Project Private Limited
	Interception , Diversion and Treatment work for Balley (40 MLD)	
	Interception , Diversion and Treatment work for Kamarhati and Baranagar Municipalities (60 MLD)	
15.	Interception & Diversion with STP - Maheshtala (35 MLD)	M/s. Vishvaraj Environment Pvt. Ltd. & Formed SPV in name of M/s. Maheshtala Waste Water Management Private Limited

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