

**BEFORE THE HON'BLE TELANGANA ELECTRICITY
REGULATORY COMMISSION**
AT ITS OFFICE AT VIDYUT NIYANTRAN BHAVAN, G.T.S. COLONY,
KALYAN NAGAR, HYDERABAD, TELANGANA - 500 045

**I.A.No.4 of 2026
IN
O. P. NO. 24 OF 2020**

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S.No.	Description/Document	Date of Document	Page No.
1.	Memo filed by the Objector, M/s.Nesuga Power Pvt. Ltd.	30.06.2026	1
2.	Copy of the G.S.R. 958(E) issued by the Central Government introducing GST on PV cells and modules, and corresponding GOMs.No.204 issued by the State Government	27.07.2017	2-4
3.	Copy of the relevant extracts of Notification No.24/2018-Central Tax (Rate) introducing composite levy, and corresponding GOMs.No.6 issued by the State Government w.e.f. 01.01.2019	31.12.2018	5-14
4.	Copy of the relevant extracts of Notification No.8/2021-Central Tax (Rate) increasing the rate of GST from 5% to 12% and corresponding GOMs.No.18 issued by the State Government w.e.f. 01.10.2021	30.09.2021	15-26
5.	Copy of the relevant extracts of Notification No.9/2025-Central Tax (Rate) restoring the GST rate to 5% and corresponding GOMs.No.109 issued by the State Government w.e.f. 01.10.2021	17.09.2025	27-35
6.	Copy of the MNRE's Office Memorandum fixing benchmark costs for grid-connected solar PV systems for FY 2020-21	21.07.2020	36
7.	Copy of the relevant extracts of this Hon'ble Commission's Order in O.P.No.32 of 2025	22.04.2025	37-67
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Date: 04.07.2025
Place: Hyderabad


COUNSEL FOR THE OBJECTOR

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**BEFORE THE HON'BLE TELANGANA ELECTRICITY
REGULATORY COMMISSION**
AT ITS OFFICE AT VIDYUT NIYANTRAN BHAVAN, G.T.S. COLONY,
KALYAN NAGAR, HYDERABAD, TELANGANA - 500 045

**I.A.No.4 of 2026
IN
O. P. NO. 24 OF 2020**

In the matter of: Petition under Sections 61, 62(1)(a), 86(1)(b) and 86(1)(e) of the Electricity Act, 2003 read with Regulation 35(2) of the Telangana Electricity Regulatory Commission (Conduct. of Business) Regulations, 2015, seeking revision of the pre-fixed levelized tariff of Rs.3.13/kWh determined under O.P. No. 24 of 2020 dated 02.01.2021 for the Solar Power Generators (SPGs) under Component-A of the PM-KUSUM Scheme, consequent to the change in applicable GST rates as recommended by the 56th Meeting of the GST Council held at New Delhi in September 2025.

And in the matter of:

TGSPDCL & TNSPDCL

...Petitioners

And

Nesuga Power Private Limited,

...Objector

MEMO FILED ON BEHALF OF THE OBJECTOR HEREIN

The Most Respectfully Showeth:

1. It is submitted that the Objector is herewith filing the copies of the relevant documents referred to in its objections dated 30.06.2026, for ease of reference during the hearing scheduled on 08.07.2026.
2. It is humbly prayed that this Hon'ble Commission may be pleased to take the aforementioned documents on record, and pass any such order or orders it deems fit in the interest of justice.

Hence this memo.

Date: 01.07.2026
Place: Hyderabad


COUNSEL FOR OBJECTOR

CORRIGENDUM

New Delhi, the 27th July, 2017

G.S.R. 958(E).— In the notification of the Government of India, in the Ministry of Finance (Department of Revenue), No.1/2017-Central Tax (Rate), dated the 28th June, 2017, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number G.S.R. 673(E), dated the 28th June, 2017,—

(A) In Schedule I-2.5%,-

- (i) in S. No.59, in column (3), for “1106 10 90”, read “0713”;
- (ii) in S. No.61, in column (2), for “1106 10 90”, read “0713”;
- (iii) in S.No.92,-
 - (a) in column (2), for “1702”, read “1702 or 1704”;
 - (b) in column (3), for “Palmyra sugar”, read “Palmyra sugar, mishri, batasha, bura”;
- (iv) in S.No.185, in column (3), for “Agarbatti”, read “Agarbatti, lobhan”;
- (v) in S. No. 220, in column (3),-
 - (a) for “saima”, read “salma”;
 - (b) for “gotasitara”, read “gota, sitara”;
 - (c) for “glzal”, read “gizai”;
- (vi) in S. No. 234, in column (3), after entry (g), insert “(h) Photo voltaic cells, whether or not assembled in modules or made up into panels”;

(B) In Schedule II-6%,-

- (i) in S.No.14, in column (3), after “shelled or peeled”, insert “and desiccated coconuts”;
- (ii) in S.No.16, in column (3), for “Dates”, read “Dates (soft or hard)”;
- (iii) in S.No.56, in column (3), for “serial number 1(f)”, read “serial number 1(g)”;
- (iv) in S.No.74, in column (2), for “3302”, read “3301”;
- (v) in S.No.231, in column (3), for “heading 9208”, read “heading 9208 or 9705”;

(C) In Schedule III-9%,-

- (i) in S. No. 55, in column (3), for “(Fountain pen ink and Ball pen ink)”, read “(other than Fountain pen ink and Ball pen ink)”;
- (ii) in S. No. 133, in column (3), for “Artificial fur and articles thereof”, read “Artificial fur other than articles thereof”;
- (iii) in S. No. 233, in column (3), omit “Sewing needles”;
- (iv) in S. No. 247, in column (3), for “0.12.5 mm”, read “0.15 mm”;
- (v) in S.No.323, in column (2), for “8522 90”, read “8422 90”;
- (vi) in S. No. 395, in column (3), for “Optical Fiber”, read “Optical Fibre Cable”;
- (vii) in S. No. 447, in column (3), omit “and other pens”;

(D) In Schedule-IV-14%,-

- (i) in S. No. 158, in column (3), for “optical fibres optical fibres, bundles or cables”, read “optical fibres, optical fibre bundles or cables”;
- (ii) in S. No. 161, in column (3), for “Optical Fiber”, read “Optical Fibre Cables”;
- (iii) in S.No.215, in column (3), for “Video games consoles and Machines”, read “Video games consoles and Machines, article and accessories for billiards [9504 20 00], other games operated by coins, banknotes, i.e., casino games [9504 20 00] and others [other than board games of 9504 90 90]”.

[F.No.354/117/2017-TRU]

MOHIT TEWARI, Under Secy.

शुद्धिपत्र

नई दिल्ली, 27 जुलाई, 2017

सा.का.नि. 959(अ).— भारत के राजपत्र, असाधारण, भाग II, खंड 3, उपखंड (i) में सा.का.नि. 674(अ) तारीख 28 जून, 2017 द्वारा प्रकाशित भारत सरकार के वित्त मंत्रालय (राजस्व विभाग) की अधिसूचना सं. 2/2017-केंद्रीय कर (दर), तारीख 28 जून, 2017 में,-

**GOVERNMENT OF TELANGANA
ABSTRACT**

The Telangana Goods and Services Tax Act, 2017 (Act No.23 of 2017) – Rates of Taxes on Goods and Services – Certain Amendments – Notification – Orders – Issued.

REVENUE (COMMERCIAL TAXES-II) DEPARTMENT

G.O.Ms.No.204,

Date:18.09.2017.

Read the following:-

1. The Telangana Goods and Services Tax Act, 2017, (Act No.23 of 2017)
2. G.O.Ms.No.110, Revenue (Commercial Taxes-II) Dept, Dt.29-06-2017.
3. From the Commissioner of State Taxes, Telangana State, Hyderabad, letter in Commissioner of Commercial Taxes Ref No. A(1)/75/2017, dt:24.08.2017, along with Mail received from GST Council, Dt.27.07.2017.

* * * * *

ORDER:

The following Notification will be published in an Extra-ordinary issue of Telangana Gazette dated:18-09-2017.

CORRIGENDUM

In the notification issued by the Government of Telangana State in G.O.Ms.No.110, Revenue (Commercial Taxes-II) Dept., dt:the 29th June, 2017 and published in Extraordinary issue of the Telangana Gazette No.191/A, Part-I, dated:30th June, 2017 and as amended from time to time,-

I. (A) In Schedule I(2.5%),-

- (i) in S. No.59, in column (3), for "1106 10 90",read "0713";
- (ii) in S. No.61, in column (2), for "1106 10 90",read "0713";
- (iii) in S.No.92,-
 - (a) in column (2), for "1702",read "1702 or 1704";
 - (b) in column (3), for "Palmyra sugar", read "Palmyra sugar, mishri, batasha, bura";
- (iv) in S.No.185, in column (3), for "Agarbatti", read "Agarbatti, lobhan";
- (v) in S. No. 220, in column (3),-
 - (a)for "saima", read "salma";
 - (b)for "gotasitara", read "gota, sitara";
 - (c) for "gizal", read "gizai";
- (vi) in S. No. 234, in column (3), after entry (g), insert "(h) Photo voltaic cells, whether or not assembled in modules or made up into panels";

(B) In Schedule II(6%),-

- (i) in S.No.14, in column (3), after "shelled or peeled", insert "and desiccated coconuts";
- (ii) in S.No.16, in column (3), for "Dates", read "Dates (soft or hard)";
- (iii) in S.No.56, in column (3), for "serial number 1(f)", read "serial number 1(g)";
- (iv) in S.No.74, in column (2), for "3302", read "3301";
- (v) in S.No.231, in column (3), for "heading 9208", read "heading 9208 or 9705";

[P.T.O]

(C) In Schedule III(9%)-

- (i) in S. No. 55, in column (3), for "(Fountain pen ink and Ball pen ink)", read "(other than Fountain pen ink and Ball pen ink)";
- (ii) in S. No. 133, in column (3), for "Artificial fur and articles thereof", read "Artificial fur other than articles thereof";
- (iii) in S. No.233, in column (3), omit "Sewing needles";
- (iv) in S.No.247, in column (3), for "0.12.5 mm", read "0.15 mm";
- (v) in S.No.323, in column (2), for "8522 90", read "8422 90";
- (vi) in S. No. 395, in column (3), for "Optical Fiber", read "Optical Fibre Cable";
- (vii) in S. No. 447, in column (3), omit "and other pens";

(D) In Schedule-IV(14%)-

- (i) in S. No. 158, in column (3), for "optical fibres optical fibres, bundles or cables", read "optical fibres, optical fibre bundles or cables";
- (ii) in S. No. 161, in column (3), for "Optical Fiber", read "Optical Fibre Cables";
- (iii) in S.No.215, in column (3), for "Video games consoles and Machines", read "Video games consoles and Machines, article and accessories for billiards [9504 20 00], other games operated by coins, banknotes, i.e., casino games [9504 20 00] and others [other than board games of 9504 90 90]".

II. In Notification No.2, in the Schedule,-

- (i) in S.No.59, in column (2), for "9", read "7, 9 or 10";
- (ii) in S.No.102, in column (2), for "2302", read "2301,2302".

This notification shall come into force with effect on and from the **27th day of July, 2017.**

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**SOMESH KUMAR
PRINCIPAL SECRETARY TO GOVERNMENT**

To:

The Commissioner of Printing, Stationery and Stores Purchase,
(Publication Wing) Telangana State, Hyderabad, for publication of the Notification (He is requested to supply (50) copies of the notification to this Department and (300) copies to Commissioner of Commercial Taxes, Telangana State, Hyderabad).

The Commissioner of Commercial Taxes Dept., Telangana State, Hyderabad.

The General Administration (Vigilance & Enforcement) Dept., Telangana State, B.R.K.R. Bhavan, Hyderabad.

The Secretary, VAT Appellate Tribunal, Nampally, Hyderabad.

The Director General, General Administration (Vigilance & Enforcement) Dept., Telangana State, B.R.K.R.Buildings, Hyderabad.

Copy to:

The Accountant General, O/o. the Accountant General, Telangana State, Hyd.

The Law (E) Department, Telangana State, Hyderabad.

The P.S. to the Principal Secretary to Hon'ble CM, Govt., of TS., Hyderabad.

The P.S. to Principal Secretary to Government (CT & Ex), Revenue Department SF/SC's.

// FORWARDED :: BY ORDER //

SECTION OFFICER

[TO BE PUBLISHED IN PART II, SECTION 3, SUB-SECTION (i) OF THE GAZETTE OF INDIA, EXTRAORDINARY]

GOVERNMENT OF INDIA
MINISTRY OF FINANCE
(Department of Revenue)

Notification No.24/2018-Central Tax (Rate)

New Delhi, the 31st December, 2018

G.S.R. (E).- In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Central Goods and Services Tax Act, 2017 (12 of 2017), the Central Government, on the recommendations of the Council, hereby makes the following further amendments in the notification of the Government of India in the Ministry of Finance (Department of Revenue), No.1/2017-Central Tax (Rate), dated the 28th June, 2017, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), vide number G.S.R. 673(E), dated the 28th June, 2017, namely:-

In the said notification, -

- (a) in the opening paragraph, after the words, brackets and figures “sub-section (1) of section 9”, the words, brackets and figures “and sub-section (5) of section 15”, shall be inserted;

(b) in Schedule I - 2.5%, -

- (i) S. Nos. 23 and 24 and the entries relating thereto shall be omitted;
- (ii) after S. No. 123 and the entries relating thereto, the following serial number and entries shall be inserted, namely: -
- | | | |
|-------|------------|---|
| “123A | 2515 11 00 | Marble and travertine, crude or roughly trimmed”; |
|-------|------------|---|
- (iii) S. No. 198A shall be re-numbered as S. No. 198AA, and before S. No. 198AA as so re-numbered, the following serial number and entries shall be inserted, namely:
- | | | |
|-------|------|--|
| “198A | 4501 | Natural cork, raw or simply prepared”; |
|-------|------|--|
- (iv) against S. No. 224, for the entry in column (2), the entry “63 [other than 6305 32 00, 6309] shall be substituted;
- (v) against S. No. 225, for the entry in column (3), the entry “Footwear of sale value not exceeding Rs.1000 per pair” shall be substituted;

- (vi) for S. No. 225A and the entries relating thereto, the following serial numbers and entries shall be substituted, namely: -

"225A	6602 00 00	Walking-sticks including seat sticks
225B	6815	Fly ash bricks or fly ash aggregate with 90 per cent. or more fly ash content; Fly ash blocks";

- (vii) against S. No. 234, in the entry in column (3), the following *Explanation* shall be inserted in the end, namely: -

"*Explanation:* If the goods specified in this entry are supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017-Central Tax (Rate), dated 28th June, 2017 [G.S.R. 690(E)], the value of supply of goods for the purposes of this entry shall be deemed as seventy per cent. of the gross consideration charged for all such supplies, and the remaining thirty per cent. of the gross consideration charged shall be deemed as value of the said taxable service.";

- (viii) S. No. 243A shall be re-numbered as S. No. 243B, and before S. No. 243B as so re-numbered, the following serial number and entries shall be inserted, namely: -

"243A	8714 20	Parts and accessories of carriage for disabled persons";
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(c) in Schedule II - 6%, -

- (i) after S. No. 101 and the entries relating thereto, the following serial numbers and entries shall be inserted, namely: -

"101A	4502 00 00	Natural cork, debarked or roughly squared, or in rectangular (including square) blocks, plates, sheets or strip (including sharp-edged blanks for corks or stoppers)
101B	4503	Articles of natural cork such as Corks and Stoppers, Shuttlecock cork bottom
101C	4504	Agglomerated cork (with or without a binding substance) and articles of agglomerated cork ";

- (ii) S. Nos. 102 and 126 and the entries relating thereto shall be omitted;

- (iii) S. No. 171A shall be re-numbered as S.No. 171AA, and before S. No. 171AA as so re-numbered, the following serial number and entries shall be inserted, namely:-

"171A	6305 32 00	Flexible intermediate bulk containers";
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		special tables for casino games and automatic bowling alley equipment [other than playing cards, ganjifa card, chess board, carom board and other board games of 9504 90 90 like ludo, etc.]”;
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(e) in Schedule IV - 14%, -

- (i) S. No. 47 and the entries relating thereto shall be omitted;
- (ii) S. No. 135 and the entries relating thereto shall be omitted;
- (iii) against S. No. 139, in the entry in column (3), after the words “other than Lithium-ion battery”, the words “and other Lithium-ion accumulators including Lithium-ion power banks” shall be inserted;
- (iv) S. No. 151 and the entries relating thereto shall be omitted;
- (v) against S. No. 154, in the entry in column (3), for the figures and word “20 inches” and the figures and letters “68 cm”, the figures and word “32 inches” shall respectively be substituted;
- (vi) for S. No. 174 and the entries relating thereto, the following serial number and the entries shall be substituted, namely: -

“174	8714	Parts and accessories of vehicles of heading 8711”;
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- (vii) S. No. 215 and the entries relating thereto shall be omitted.

2. This notification shall come into force on the 1st January, 2019.

[F.No.354/432/2018-TRU]

(Gunjan Kumar Verma)
Under Secretary to the Government of India

Note: - The principal notification No.1/2017-Central Tax (Rate), dated the 28th June, 2017 was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), vide number G.S.R. 673(E), dated the 28th June, 2017 and last amended by notification No. 18/2018-Central Tax (Rate), dated the 26th July 2018, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) vide number G.S.R. 692(E), dated the 26th July 2018.

**GOVERNMENT OF TELANGANA
ABSTRACT**

The Telangana Goods and Services Tax Act, 2017 (Telangana Act No. 23 of 2017) – State Tax – Rates of Tax on Goods and Services – Certain amendments - Notification - Orders – Issued.

REVENUE (CT-II) DEPARTMENT

G.O.Ms No.6

Date: 29.01.2020

Read the following:

1. G.O. Ms. No. 110, Revenue (CT-II) Department, Dt. 29-06-2017.
2. G.O. Ms. No. 175, Revenue (CT-II) Department, Dt. 25-07-2017.
3. G.O. Ms. No. 193, Revenue (CT-II) Department, Dt. 30-08-2017
4. G.O. Ms. No. 204, Revenue (CT-II) Department, Dt. 18-09-2017
5. G.O. Ms. No. 227, Revenue (CT-II) Department, Dt. 05-10-2017.
6. G.O. Ms. No. 250, Revenue (CT-II) Department, Dt. 21-11-2017
7. G.O. Ms. No. 252, Revenue (CT-II) Department, Dt. 22-11-2017.
8. G.O. Ms. No. 253, Revenue (CT-II) Department, Dt. 23-11-2017.
9. G.O. Ms. No. 280, Revenue (CT-II) Department, Dt. 12-12-2017.
10. G.O. Ms. No. 46, Revenue (CT-II) Department, Dt. 28-02-2018
11. G.O. Ms. No. 78, Revenue (CT-II) Department, Dt. 18-04-2018
12. G.O. Ms. No. 142, Revenue (CT-II) Department, Dt. 28-07-2018.
13. G.O. Ms. No. 171, Revenue (CT-II) Department, Dt. 20-08-2018.
14. From the Commissioner of Commercial Taxes, Telangana, Hyderabad, letter Ref No. A(1)/75/2017, Dt. 11-01-2019.

ORDER :

The following Notification will be published in an Extra-ordinary issue of Telangana Gazette Dt. 27.01.2020.

NOTIFICATION No. 24/2018 – State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government, on the recommendations of the GST Council, hereby makes the following amendments in the notification No.1/2017- State Tax (Rate), issued in G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017 and as amended subsequently from time to time, namely:-

In the said notification, -

- (a)** in the opening paragraph, after the words, brackets and figures "sub-section (1) of section 9", the words, brackets and figures "and sub-section (5) of section 15", shall be inserted;

(b) in Schedule I - 2.5%,

- (i) S. Nos. 23 and 24 and the entries relating thereto shall be omitted;
- (ii) after S. No. 123 and the entries relating thereto, the following serial number and entries shall be inserted, namely: -

"123A	2515 11 00	Marble and travertine, crude or roughly trimmed";
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- (iii) S. No. 198A shall be re-numbered as S. No. 198AA, and before S. No. 198AA as so re-numbered, the following serial number and entries shall be inserted, namely:-

"198A	4501	Natural cork, raw or simply prepared";
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- (iv) against S. No. 224, for the entry in column (2), the entry "63 [other than 6305 32 00, 6309] shall be substituted;
- (v) against S. No. 225, for the entry in column (3), the entry "Footwear of sale value not exceeding Rs.1000 per pair" shall be substituted;
- (vi) for S. No. 225A and the entries relating thereto, the following serial numbers and entries shall be substituted, namely: -

"225A	6602 00 00	Walking-sticks including seat sticks
225B	6815	Fly ash bricks or fly ash aggregate with 90 per cent. or more fly ash content; Fly ash blocks";

- (vii) against S. No. 234, in the entry in column (3), the following Explanation shall be inserted in the end, namely: -

"Explanation: If the goods specified in this entry are supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017- State Tax (Rate), issued in G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017, the value of supply of goods for the purposes of this entry shall be deemed as seventy per cent. of the gross consideration charged for all such supplies, and the remaining thirty per cent. of the gross consideration charged shall be deemed as value of the said taxable service.";

- (viii) S. No. 243A shall be re-numbered as S. No. 243B, and before S. No. 243B as so re-numbered, the following serial number and entries shall be inserted, namely: -

"243A	8714 20	Parts and accessories of carriage for disabled persons";
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- (v) against S. No. 383, in the entry in column (3), after the words "television cameras", the words, "digital cameras and video camera recorders", shall be inserted;
- (vi) against S. No. 383C, in the entry in column (3), for the figures and letters "68 cm", the figures and word "32 inches" shall be substituted;
- (vii) against S. No. 384, in the entry in column (3), for the figures and word "20 inches", the figures and word "32 inches" shall be substituted;
- (viii) S. No. 440A shall be re-numbered as S. No. 440B and before S. No. 440B as so re-numbered, the following serial number and entries shall be inserted, namely:

"440A	9504	Video game consoles and machines, articles of funfair, table or parlour games, including pintables, billiards, special tables for casino games and automatic bowling alley equipment [other than playing cards, ganjifa card, chess board, carom board and other board games of 9504 90 90 like ludo, etc.]";
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(e) in Schedule-IV - 14%, -

- (i) S. No. 47 and the entries relating thereto shall be omitted;
- (ii) S. No. 135 and the entries relating thereto shall be omitted;
- (iii) against S. No. 139, in the entry in column (3), after the words "other than Lithium-ion battery", the words "and other Lithium-ion accumulators including Lithium-ion power banks" shall be inserted;
- (iv) S. No. 151 and the entries relating thereto shall be omitted;
- (v) against S. No. 154, in the entry in column (3), for the figures and word "20 inches" and the figures and letters "68 cm", the figures and word "32 inches" shall respectively be substituted;
- (vi) for S. No. 174 and the entries relating thereto, the following serial number and the entries shall be substituted, namely: -

"174	8717	Parts and accessories of vehicles of heading 8711";
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- (vii) S. No. 215 and the entries relating thereto shall be omitted;

2. This notification shall come into force on the 1st January, 2019.

(herein referred to as "recipient"), from the whole of the central tax leviable thereon, under section 9 of the Telangana Goods and Services Tax Act, 2017, subject to following conditions, namely:-

- (i) the Nominated Agency and the recipient shall follow the conditions and observe the procedures as specified in the Foreign Trade Policy read with Handbook of Procedures;
- (ii) the recipient shall export the jewellery made out of such gold within a period of 90 (ninety) days from the date of supply of gold to such recipient and shall provide copy of shipping bill or bill of export containing details of Goods and Services Tax Identification Number (GSTIN) along with the invoice for exports to the Nominated Agency within a period of 120 (one hundred and twenty) days from the date of supply by the Nominated Agency;
- (iii) wherever such proof of export is not produced within the period mentioned in condition (ii), the Nominated Agency shall pay the amount of central tax payable on the quantity of gold not exported, along with interest from the date when the said tax on such supply was payable, but for the exemption.

Explanation. - For the purpose of this notification, -

- (a) "Foreign Trade Policy " means the Foreign Trade Policy, 2015-2020, notified by the Government of India in the Ministry of Commerce and Industry vide notification No.41/2015-2020, dated the 5th December, 2017, published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-Section (ii) vide S.O. 3813, dated the 5th December, 2017;
- (b) "Handbook of Procedures" means the Handbook of Procedure, notified by the Government of India in the Ministry of Commerce and Industry vide Public Notice No. 43/2015-2020, dated the 5th December 2017, published in the Gazette of India, Extraordinary, Part-I, Section 1, vide F. No. 01/94/180/333/AM 15/PC, dated the 5th December 2017;
- (c) "Nominated Agency" means entities mentioned in List 32 of Notification No. 50/2017-Customs, dated the 30th June 2017 published Gazette of India, Extraordinary, Part-II, Section 3 sub-section (i), vide, number G. S. R. 785 (E), dated the 30th June, 2017;
- (d) "Heading" means heading as specified in the First Schedule to the Customs Tariff Act, 1975 (Act No.51 of 1975).

2. This notification shall come into force on the 1st January, 2019.

NOTIFICATION No. 27/2018 – State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of section 9, sub-section (1) of Section 11, sub-section (5) of Section 15 and sub-section (1) of Section 16 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government on the recommendations of the Council and on being satisfied that it is necessary in the public interest so to do, hereby makes the following amendments in the notification No. 11/2017 - State Tax (Rate), issued in G.O.Ms No. 110, Revenue (CT-II) Department, dt. 29-06-2017, published in Telangana Gazette, Part-I Extraordinary No. 191/A, dt. 30-06-2017, namely:-

	goods involving transfer of title in goods	
(viii) Leasing or rental services, with or without operator, other than (i), (ii), (iii), (iv), (v), (vi), (vii) and (viii) above.	9	“;”

- (f) against serial number 21, in column (3), in item (ii), after the brackets, figures and word “(i) above”, the words and number “and serial number 38 below” shall be inserted;
- (g) against serial number 25, in column (3), in item (ii), after the brackets, figures and word “(i) above”, the words and number “and serial number 38 below” shall be inserted;
- (h) against serial number 34,-
- (A) against item (ii) in column (3), for the entry in column (4), the entry “6” shall be substituted;
- (B) after item (ii) in column (3) and the entries relating thereto in columns (3), (4) and (5), the following shall be inserted, namely: -

(3)	(4)	(5)
“(iia) Services by way of admission to exhibition of cinematograph films where price of admission ticket is above one hundred rupees.	9	“;”

- (C) in item (iia), the words “exhibition of cinematograph films,” shall be omitted;
- (D) in column (3), in item (vi), after the brackets and figures “(ii),”, the brackets and figures “(iia),” shall be inserted;
- (i) after serial number 37 in column (1) and the entries relating thereto in column (2), (3), (4) and (5) the following serial number and entries shall be inserted, namely: -

(1)	(2)	(3)	(4)	(5)
“38	9954 or 9983 or 9987	Service by way of construction or engineering or installation or other technical services, provided in relation of setting up of following, - (a) Bio-gas plant (b) Solar power based devices	9	“;”

		(c) Solar power generating system (d) Wind mills, Wind Operated Electricity Generator (WOEG) (e) Waste to energy plants / devices (f) Ocean waves/tidal waves energy devices/plants Explanation:- This entry shall be read in conjunction with serial number 234 of Schedule I of the notification No. 1/2017 - State Tax (Rate), issued in G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017.		
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(ii) in paragraph 4 relating to Explanation, after clause (x), the following clauses shall be inserted, namely: -

"(xi) "specified organisation" shall mean, -

- (a) Kumaon Mandal Vikas Nigam Limited, a Government of Uttarakhand Undertaking; or
- (b) 'Committee' or 'State Committee' as defined in section 2 of the Haj Committee Act, 2002 (Act.No.35 of 2002).

(xii) "goods carriage" has the same meaning as assigned to it in clause (14) of section 2 of the Motor Vehicles Act, 1988 (Act.No.59 of 1988).".

2. This notification shall come into force on the 1st January, 2019.

NOTIFICATION No. 28/2018 – State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of Section 11 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act.No.23 of 2017), the State Government, on being satisfied that it is necessary in the public interest so to do, on the recommendations of the Council, hereby makes the following further amendments in the notification No. 12/2017-State Tax (Rate), issued in G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017 and as amended from time to time, namely:-

In the said notification,-

(i) in the Table, -

- (a) after serial number 21A and the entries relating thereto, the following serial number and entries shall be inserted, namely:

2. The existing Explanation in the above item shall be renumbered as Explanation 1.

3. This notification shall come into force on the 1st day of January, 2019.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**SOMESH KUMAR
CHIEF SECRETARY & SPECIAL CHIEF
SECRETARY TO GOVERNMENT**

To:

The Commissioner of Printing, Stationery and Stores Purchase (Publication Wing) Telangana, Hyderabad for publication of the Notification (he is requested to supply 50 copies of the notification to this Department and 300 copies to Commissioner of Commercial Taxes, Telangana, Hyderabad).

The Commissioner of Commercial Taxes, Telangana State, Hyderabad.

The Secretary, GST Council, 5th Floor, Tower II, Jeevan Bharti Building, Janpath Road, Connaught Place, New Delhi-110 001.

The Principal Chief Commissioner, CT, Hyderabad Zone, Kendriya GST Bhavan, L.B. Stadium Road, Basheer Bagh, Hyderabad-500 004.

Copy to:

The Accountant General, Telangana State, Hyderabad.

The Law (A) Department.

The PS to Principal Secretary to Chief Minister

The P.S. to Special Chief Secretary & Chief Secretary to Government.

Sf /Sc.

//FORWARDED :: BY ORDER//

SECTION OFFICER

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, EXTRAORDINARY, PART II,
SECTION 3, SUB-SECTION (i)]

GOVERNMENT OF INDIA
MINISTRY OF FINANCE
(Department of Revenue)
Notification No. 8/2021-Central Tax (Rate)

New Delhi, the 30th September, 2021

G.S.R.(E).- In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Central Goods and Services Tax Act, 2017 (12 of 2017), the Central Government, on the recommendations of the Council, hereby makes the following further amendments in the notification of the Government of India in the Ministry of Finance (Department of Revenue), No.1/2017-Central Tax (Rate), dated the 28th June, 2017, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number G.S.R. 673(E), dated the 28th June, 2017, namely:-

In the said notification, -

(a) in Schedule I – 2.5%, -

(i) after S. No. 71 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“71A	1209	Tamarind seeds meant for any use other than sowing”;
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(ii) S. Nos. 138 to 148 and the entries relating thereto shall be omitted;

(iii) after S. No. 186 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“186A	3826	Bio-diesel supplied to Oil Marketing Companies for blending with High Speed Diesel”;
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(iv) S. No. 187A and the entries relating thereto shall be omitted;

(v) S. No. 234 and the entries relating thereto shall be omitted;

(vi) in List 1, after item number 231 and the entries relating thereto, the following shall be inserted, namely: -

“(232) Pembrolizumab (Keytruda)”;

(vii) in List 3, after item number (B) (2) and the entries relating thereto, the following shall be inserted, namely: -

" (3) Retro fitment kits for vehicles used by the disabled”;

(b) in Schedule II – 6%, -

(i) against S. No. 80A, in column (3), for the entry, the following entry shall be substituted, namely: -

“Bio-diesel (other than bio-diesel supplied to Oil Marketing Companies for blending with High Speed Diesel)”;

(ii) S. No. 122 and the entries relating thereto shall be omitted;

(iii) S. Nos. 127 to 132 and the entries relating thereto shall be omitted;

(iv) after S. No. 201 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“201A	84, 85 or 94	Following renewable energy devices and parts for their manufacture:- (a) Bio-gas plant; (b) Solar power based devices; (c) Solar power generator; (d) Wind mills, Wind Operated Electricity Generator (WOEG); (e) Waste to energy plants / devices; (f) Solar lantern / solar lamp; (g) Ocean waves/tidal waves energy devices/plants; (h) Photo voltaic cells, whether or not assembled in modules or made up into panels. Explanation:- If the goods specified in this entry are
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		supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017-Central Tax (Rate), dated 28 th June, 2017 [G.S.R. 690(E)], the value of supply of goods for the purposes of this entry shall be deemed as seventy per cent. of the gross consideration charged for all such supplies, and the remaining thirty per cent. of the gross consideration charged shall be deemed as value of the said taxable service.”;
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(v) S. Nos. 205A to 205H and the entries relating thereto shall be omitted;

(vi) S. No. 232 and the entries relating thereto shall be omitted;

(c) in Schedule III – 9%, -

(i) after S. No. 26B and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“26C	2601	Iron ores and concentrates, including roasted iron pyrites.
26D	2602	Manganese ores and concentrates, including ferruginous manganese ores and concentrates with a manganese content of 20% or more, calculated on the dry weight.
26E	2603	Copper ores and concentrates.
26F	2604	Nickel ores and concentrates.
26G	2605	Cobalt ores and concentrates.
26H	2606	Aluminium ores and concentrates.
26I	2607	Lead ores and concentrates.
26J	2608	Zinc ores and concentrates.
26K	2609	Tin ores and concentrates.

other pens; duplicating stylos; pen holders, pencil holders and similar holders; parts (including caps and clips) of the foregoing articles, other than those of heading 9609.”, shall be substituted;

(d) in Schedule IV – 14%, -

(i) after S. No. 12A and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“12B	2202	Carbonated Beverages of Fruit Drink or Carbonated Beverages with Fruit Juice.”;
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2. This notification shall come into force on the 1st day of October, 2021.

[F.No.190354/206/2021-TRU]

(Rajeev Ranjan)

Under Secretary to the Government of India

Note: - The principal notification No.1/2017-Central Tax (Rate), dated the 28th June, 2017, was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number G.S.R. 673(E), dated the 28th June, 2017, and was last amended by notification No. 01/2021 – Central Tax (Rate), dated the 2nd June, 2021, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) *vide* number G.S.R. 374(E), dated the 2nd June, 2021.

**GOVERNMENT OF TELANGANA
ABSTRACT**

The Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017) – Amendments on Rates of Tax - Notification - Orders - Issued.

REVENUE (CT-II) DEPARTMENT

G.O.Ms.No. 18

Dated: 05-03-2022

Read the following:-

1. G.O.Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017.
2. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 06/2021 - Central Tax (Rate), dt. 30-09-2021.
3. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 07/2021 - Central Tax (Rate), dt. 30-09-2021.
4. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 08/2021 - Central Tax (Rate), dt. 30-09-2021.
5. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 09/2021 - Central Tax (Rate), dt. 30-09-2021.
6. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 10/2021 - Central Tax (Rate), dt. 30-09-2021.
7. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 11/2021 - Central Tax (Rate), dt. 30-09-2021.
8. Government of India, Ministry of Finance, (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No. 12/2021 - Central Tax (Rate), dt. 30-09-2021.
9. From the Commissioner of Commercial Taxes, Telangana State, Hyderabad, Lr No. CCT's Ref No. A(1)/75/2017, Dt. 12-11-2021.

ORDER:-

The following Notification shall be published in an Extra-ordinary issue of Telangana Gazette Dt. 05.03.2022.

NOTIFICATION No. 06/2021-State Tax (Rate)

In exercise of the powers conferred by sub-section (1), sub-section (3) and sub-section (4) of section 9, sub-section (1) of section 11, sub-section (5) of section 15, sub-section (1) of section 16 and section 148 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government, on being satisfied that it is necessary in the public interest so to do, on the recommendations of the Council, hereby make the following further amendments in the notification No. 11/2017 – State Tax (Rate), issued vide G.O. Ms. No.110, Revenue (CT-II) Department, Dt. 29.06.2017, published in Telangana Gazette Part-I, Extraordinary No.191/A, Dt:30.06.2017 and as amended subsequently from time to time namely:-

(PTO)

AMENDMENTS

In the said notification, -

(i) in the Table, -

- (a) against serial number 3, in column (3), in item (iv), in clause (g), after the figures and letters "12AA", word, figures and letters " or 12AB" shall be inserted;

(b) in serial number 17, -

(A) item (i) and the entries relating thereto in columns (3), (4) and (5) shall be omitted;

(B) for item (ii) and the entries relating thereto in columns (3), (4) and (5), the following entries shall be substituted, namely:-

(3)	(4)	(5)
"(ii) Temporary or permanent transfer or permitting the use or enjoyment of Intellectual Property (IP) right.	9	-"

(c) against serial number 26, in column (3), -

(A) after item (ic) and the entries relating thereto in columns (3), (4) and (5), the following entries shall be inserted, namely:-

(3)	(4)	(5)
"(ica) Services by way of job work in relation to manufacture of alcoholic liquor for human consumption.	9	-"

(B) in item (id), for the brackets, letters and word "(i), (ia), (ib) and (ic)", the brackets, letters and word "(i), (ia), (ib), (ic) and (ica)" shall be substituted;

(C) in item (iv), for the brackets, letters and word "(i), (ia), (ib), (ic), (id), (ii), (iia) and (iii)", the brackets, letters and word "(i), (ia), (ib), (ic), (ica), (id), (ii), (iia) and (iii)" shall be substituted;

(d) against serial number 27,-

(A) item (i) and the entries relating thereto in columns (3), (4) and (5) shall be omitted;

(B) for item (ii) and the entries relating thereto in columns (3), (4) and (5), the following entries shall be substituted, namely:-

(3)	(4)	(5)
"Other manufacturing services; publishing, printing and reproduction services; material recovery services.	9	-"

(e) against serial number 34, for items (iii) and (iia) and the entries relating thereto in columns (3), (4) and (5), following items and entries shall be substituted, namely:-

(3)	(4)	(5)
"(iii) Services by way of admission to; (a) theme parks, water parks and any other place having joy rides, merry-go rounds,	9	-

go carting, or (b) ballet, - other than any place covered by (iia) below		
(iia) Services by way of admission to (a) casinos or race clubs or any place having casinos or race clubs or (b) sporting events like Indian Premier League.	14	-";

(f) against serial number 38, in column (3), in Explanation, for the figures, words and letter "234 of Schedule I", the figures, letter and words "201A of Schedule II" shall be substituted;

- (ii) in the "Annexure: Scheme of Classification of Services", after serial number 118 and the entries relating thereto, the following shall be inserted, namely:-

(1)	(2)	(3)	(4)
"118a	Group 99654		Multimodal Transport of goods from a place in India to another place in India
118b		996541	Multimodal Transport of goods from a place in India to another place in India".

2. This notification shall come into force with effect from 1st day of October, 2021.

NOTIFICATION No. 07/2021- State Tax (Rate)

In exercise of the powers conferred by sub-sections (3) and (4) of section 9, sub-section (1) of section 11, sub-section (5) of section 15 and section 148 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government, on being satisfied that it is necessary in the public interest so to do, on the recommendations of the Council, hereby make the following further amendments in the notification No.12/2017- State Tax (Rate), issued vide G.O. Ms. No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30.06.2017, and as amended subsequently from time to time namely:-

AMENDMENTS

In the said notification, in the Table, -

- (i) against serial number 1, in column (3), after the figures and letters "12AA", the word, figures and letters "or 12AB" shall be inserted;;
- (ii) against serial number 9AA, in column (3), after the words "hosted in India", the words "whenever rescheduled" shall be inserted;
- (iii) after serial number 9AA and the entries relating thereto, the following shall be inserted, namely : -

(1)	(2)	(3)	(4)	(5)
"9AB	Chapter 99	Services provided by and to Asian Football Confederation (AFC) and its subsidiaries directly or indirectly related to any of the events under AFC	Nil	Provided that Director (Sports), Ministry of Youth Affairs and Sports certifies that the services are directly or indirectly related to any of the

		Women's Asia Cup 2022 to be hosted in India.		events under AFC Women's Asia Cup 2022.";
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- (iv) against serial numbers 9D and 13, in column (3), after the figures and letters "12AA", the word, figures and letters " or 12AB" shall be inserted;
- (v) against serial numbers 19A and 19B, in column (5), for the figures "2021", the figures "2022" shall be substituted;
- (vi) serial number 43 and the entries relating thereto shall be omitted;
- (vii) after serial number 61 and the entries relating thereto, the following shall be inserted, namely:-

(1)	(2)	(3)	(4)	(5)
"61A	Heading 9991	Services by way of granting National Permit to a goods carriage to operate through-out India / contiguous States.	Nil	Nil";

- (viii) against serial number 72, in column (3), after the words "for which", the figures, symbol and words "75% or more of the" shall be inserted;
- (ix) against serial numbers 74A and 80, in column (3), after the figures and letters "12AA", word, figures and letters " or 12AB" shall be inserted;
- (x) after serial number 82A and the entries relating thereto, the following shall be inserted, namely : -

(1)	(2)	(3)	(4)	(5)
"82B	Heading 9996	Services by way of right to admission to the events organised under AFC Women's Asia Cup 2022	Nil	Nil";

2. This notification shall come into force with effect from 1st day of October, 2021.

NOTIFICATION No. 08/2021- State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government, on the recommendations of the Council, hereby make the following further amendments in the notification No. 1/2017-StateTax (Rate), issued vide G.O. Ms. No.110, Revenue(CT.II) Department, Dt: 29.06.2017, published in Telangana Gazette Part-I, Extraordinary No.191/A, Dt: 30.06.2017, and as amended subsequently from time to time namely:-

AMENDMENTS

In the said notification,

- (a) in Schedule I - 2.5%,
- (i) after S. No. 71 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

"71A	1209	Tamarind seeds meant for any use other than sowing";
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- (ii) S. Nos. 138 to 148 and the entries relating thereto shall be omitted;

- (iii) after S. No. 186 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

"186A	3826	Bio-diesel supplied to Oil Marketing Companies for blending with High Speed Diesel";
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- (iv) S. No. 187A and the entries relating thereto shall be omitted;

- (v) S. No. 234 and the entries relating thereto shall be omitted;

- (vi) in List 1, after item number 231 and the entries relating thereto, the following shall be inserted, namely: -

"(232) Pembrolizumab (Keytruda)";

- (vii) in List 3, after item number (B) (2) and the entries relating thereto, the following shall be inserted, namely: -

"(3) Retro fitment kits for vehicles used by the disabled";

- (b) in Schedule II - 6%, -

- (i) against S. No. 80A, in column (3), for the entry, the following entry shall be substituted, namely: -

"Bio-diesel (other than bio-diesel supplied to Oil Marketing Companies for blending with High Speed Diesel)";

- (ii) S. No. 122 and the entries relating thereto shall be omitted;

- (iii) S. Nos. 127 to 132 and the entries relating thereto shall be omitted;

- (iv) after S. No. 201 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

"201A	84, 85 or 94	Following renewable energy devices and parts for their manufacture:- (a) Bio-gas plant; (b) Solar power based devices; (c) Solar power generator; (d) Wind mills, Wind Operated Electricity Generator (WOEG); (e) Waste to energy plants / devices; (f) Solar lantern / solar lamp; (g) Ocean waves/tidal waves energy devices/plants; (h) Photo voltaic cells, whether or not assembled in modules or made up into panels. Explanation:- If the goods specified in this entry are supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017 - State Tax (Rate), issued vide G.O. Ms. No.110, Revenue (CT-II) Department, Dt. 29.06.2017, the value of supply of goods for the purposes of this entry shall be deemed as
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		seventy per cent of the gross consideration charged for all such supplies, and the remaining thirty per cent of the gross consideration charged shall be deemed as value of the said taxable service.”;
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(v) S. Nos. 205A to 205H and the entries relating thereto shall be omitted;

(vi) S. No. 232 and the entries relating thereto shall be omitted;

(c) in Schedule III – 9%, -

(i) after S. No. 26B and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“26C	2601	Iron ores and concentrates, including roasted iron pyrites.
26D	2602	Manganese ores and concentrates, including ferruginous manganese ores and concentrates with a manganese content of 20% or more, calculated on the dry weight.
26E	2603	Copper ores and concentrates.
26F	2604	Nickel ores and concentrates.
26G	2605	Cobalt ores and concentrates.
26H	2606	Aluminium ores and concentrates.
26I	2607	Lead ores and concentrates.
26J	2608	Zinc ores and concentrates.
26K	2609	Tin ores and concentrates.
26L	2610	Chromium ores and concentrates.”;

(ii) after S. No. 101 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“101A	3915	Waste, Parings and Scrap, of Plastics.”;
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(iii) for S. No. 153A and the entries relating thereto, the following S. No. and the entries shall be substituted, namely: -

“153A	4819	Cartons, boxes, cases, bags and other packing containers, of paper, paperboard, cellulose wadding or webs of cellulose fibres; box files, letter trays, and similar articles, of paper or paperboard of a kind used in offices, shops or the like.”;
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(iv) after S. No. 157 and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“157A	4906 00 00	Plans and drawings for architectural, engineering, industrial, commercial, topographical or similar purposes, being originals drawn by hand; hand-written texts; photographic reproductions on sensitised paper and carbon copies of the foregoing.
157B	4907	Unused postage, revenue or similar

		parking facilities, port installations or airfields; parts of the foregoing.”;
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- (vi) against S. No. 447, in column (3), for the entry, the entry “Ball point pens; felt tipped and other porous-tipped pens and markers; fountain pens; stylograph pens and other pens; duplicating stylos; pen holders, pencil holders and similar holders; parts (including caps and clips) of the foregoing articles, other than those of heading 9609.”, shall be substituted;
- (d) in Schedule IV – 14%, -
- (i) after S. No. 12A and the entries relating thereto, the following S. No. and entries shall be inserted, namely: -

“12B	2202	Carbonated Beverages of Fruit Drink or Carbonated Beverages with Fruit Juice.”;
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2. This notification shall come into force with effect from 1st day of October, 2021.

NOTIFICATION No. 09/2021 – State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of Section 11 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No. 23 of 2017), the State Government, on the recommendations of the Council, hereby make the following further amendments in the notification No. 2/2017-State Tax (Rate), issued vide G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017 and as amended subsequently from time to time, namely:-

AMENDMENT

In the said notification, in the Schedule, for S. No. 86 and the entries relating thereto, the following S. No. and entries thereto shall be substituted, namely: -

“86	1209	Seeds, fruit and spores, of a kind used for sowing
		Explanation: This entry does not cover seeds meant for any use other than sowing.”;

2. This notification shall come into force with effect from the 1st day of October, 2021.

NOTIFICATION No. 10/2021 – State Tax (Rate)

In exercise of the powers conferred by sub-section (3) of section 9 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), the State Government, on the recommendations of the Council, hereby make the following further amendments in the notification No. 4/2017-State Tax (Rate), issued vide G.O. Ms. No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017 and as amended subsequently from time to time, namely:-

In the said notification, in the Table, after S. No. 3 and the entries relating thereto, the following serial number and the entries shall be inserted, namely:

Table

Sl. No.	Chapter, Heading, Subheading or Tariff item	Description of Goods	Rate
(1)	(2)	(3)	(4)
1	30	Tocilizumab	Nil
2	30	Amphotericin B	Nil
3	30	Remdesivir	2.5%
4	30	Heparin (anti-coagulant)	2.5%
5	30	Itolizumab	2.5%
6	30	Posaconazole	2.5%
7	30	Infliximab	2.5%
8	30	Bamlanivimab & Etesevimab	2.5%
9	30	Casirivimab & Imdevimab	2.5%
10	30	2-Deoxy-D-Glucose	2.5%
11	30	Favipiravir	2.5%

2. This notification shall come into force from the 1st day of October, 2021 and remain in force up to and inclusive of the 31st December, 2021.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

**SOMESH KUMAR
CHIEF SECRETARY &
SPECIAL CHIEF SECRETARY TO GOVERNMENT**

To:

The Commissioner of Printing, Stationery and Stores Purchase (Publication Wing) Telangana, Hyderabad for publication of the Notification (He is requested to supply 50 copies of the notification to this Department and 300 copies to Commissioner of Commercial Taxes, Telangana, Hyderabad)

The Commissioner of Commercial Taxes, Telangana State, Hyderabad.
The Secretary, GST Council, 5th Floor, Tower II, Jeevan Bharti Building,
Janpath Road, Connaught Place, New Delhi-110 001.

The Principal Chief Commissioner, GST Hyderabad Zone, Kendriya GST Bhavan, L.B. Stadium Road, Basheer Bagh, Hyderabad-500 004.

Copy to:

The Accountant General, Telangana State, Hyderabad.

The Law (A) Department.

The Principal Secretary to Hon'ble Chief Minister (NR), Government of Telangana.

The P.S. to Special Chief Secretary to Government, Revenue (CT&Ex) Department.
Sf/Sc.

//FORWARDED :: BY ORDER//

SECTION OFFICER

[TO BE PUBLISHED IN THE GAZETTE OF INDIA, EXTRAORDINARY, PART II,
SECTION 3, SUB-SECTION (i)]

GOVERNMENT OF INDIA
MINISTRY OF FINANCE
(DEPARTMENT OF REVENUE)

NOTIFICATION
NO. 9/2025-Central Tax (Rate)

New Delhi, the 17th September, 2025

In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Central Goods and Services Tax Act, 2017 (12 of 2017), and in supersession of the notification of the Government of India in the Ministry of Finance (Department of Revenue), No. 01/2017-Central Tax (Rate), dated the 28th June, 2017 published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), *vide* number G.S.R. 673(E), dated the 28th June, 2017, except as respects things done or omitted to be done before such supersession, the Central Government, on the recommendations of the Council, hereby notifies the rate of central tax of-

- (i) 2.5 per cent. in respect of goods specified in Schedule I;
- (ii) 9 per cent. in respect of goods specified in Schedule II;
- (iii) 20 per cent. in respect of goods specified in Schedule III;
- (iv) 1.5 per cent. in respect of goods specified in Schedule IV;
- (v) 0.125 per cent. in respect of goods specified in Schedule V;
- (vi) 0.75 per cent. in respect of goods specified in Schedule VI, and
- (vii) 14 per cent. in respect of goods specified in Schedule VII,

appended to this notification (hereinafter referred to as the said Schedules), that shall be levied on intra-State supplies of goods, the description of which is specified in the corresponding entry in column (3) of the said Schedules, falling under the tariff item, sub-heading, heading or Chapter, as the case may be, as specified in the corresponding entry in column (2) of the said Schedules.

Schedule I – 2.5%

S. No.	Chapter/Heading/Sub-heading/Tariff item	Description of goods
(1)	(2)	(3)
1.	0101 21 00, 0101 29	Live horses
2.	0202, 0203, 0204, 0205, 0206, 0207, 0208, 0209, 0210	All goods, other than fresh or chilled, pre-packaged and labelled
3.	0303, 0304, 0305, 0306, 0307, 0308, 0309	All goods, other than fresh or chilled, pre-packaged and labelled
4.	0402	Milk and cream, concentrated or containing added sugar or other sweetening matter, including condensed milk

422.	8407 10 00, 8411	Aircraft engines
423.	8408	Fixed Speed Diesel Engines of power not exceeding 15HP
424.	8408 20 20	Agricultural Diesel Engine of cylinder capacity exceeding 250 cc for Tractor
425.	8413, 8413 91	Hand pumps and parts thereof
426.	8413 81 90	Hydraulic Pumps for tractors
427.	8414 20 20	Other hand pumps
428.	8419 12	Solar water heater and system
429.	8420	Hand operated rubber roller
430.	8424	Nozzles for drip irrigation equipment or nozzles for sprinklers
431.	8424	Sprinklers; drip irrigation system including laterals; mechanical sprayers
432.	8432	Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers; Parts [8432 90]
433.	8433	Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; parts thereof
434.	8436	Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders; parts thereof
435.	8452	Sewing machines, other than book-sewing machine of heading 8440; furniture, bases and covers specially designed for sewing machines; sewing machines needles and parts of sewing machines
436.	8479	Composting Machines
437.	84, 85 or 94	Following renewable energy devices and parts for their manufacture:- (a) Bio-gas plant; (b) Solar power-based devices; (c) Solar power generator; (d) Wind mills, Wind Operated Electricity Generator (WOEG); (e) Waste to energy plants / devices; (f) Solar lantern / solar lamp; (g) Ocean waves/tidal waves energy devices/plants; (h) Photo voltaic cells, whether or not assembled in modules or made up into panels. Explanation:- If the goods specified in this entry are supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017-Central Tax (Rate), dated 28th June, 2017 [G.S.R. 690(E)], the value of supply of goods for the purposes of this entry shall be deemed as seventy per

		cent. of the gross consideration charged for all such supplies, and the remaining thirty per cent. of the gross consideration charged shall be deemed as value of the said taxable service
438.	8504	Charger or charging station for Electrically operated vehicles
439.	8525 60	Two-way radio (Walkie talkie) used by defence, police and paramilitary forces etc.
440.	87	Fuel Cell Motor Vehicles including hydrogen vehicles based on fuel cell technology
441.	87	Electrically operated vehicles, including two and three wheeled electric vehicles. Explanation.- For the purposes of this entry, "Electrically operated vehicles" means vehicles which are run solely on electrical energy derived from an external source or from one or more electrical batteries fitted to such road vehicles and shall include E- bicycles.
442.	8701	Tractors (except road tractors for semi-trailers of engine capacity more than 1800 cc)
443.	8708	Following parts of tractors namely: a. Rear Tractor wheel rim, b. tractor centre housing, c. tractor housing transmission, d. tractor support front axle
444.	8708 10 10	Bumpers and parts thereof for tractors
445.	8708 30 00	Brakes assembly and its parts thereof for tractors
446.	8708 40 00	Gear boxes and parts thereof for tractors
447.	8708 50 00	Transaxles and its parts thereof for tractors
448.	8708 70 00	Road wheels and parts and accessories thereof for tractors
449.	8708 91 00	(i) Radiator assembly for tractors and parts thereof (ii) Cooling system for tractor engine and parts thereof
450.	8708 92 00	Silencer assembly for tractors and parts thereof
451.	8708 93 00	Clutch assembly and its parts thereof for tractors
452.	8708 94 00	Steering wheels and its parts thereof for tractor
453.	8708 99 00	Hydraulic and its parts thereof for tractors
454.	8708 99 00	Fender, Hood, Wrapper, Grill, Side Panel, Extension Plates, Fuel Tank and parts thereof for tractors.
455.	8710	Tanks and other armoured fighting vehicles, motorised, whether or not fitted with weapons, and parts of such vehicles
456.	8712	Bicycles and other cycles (including delivery tricycles), not motorised
457.	8713	Carriages for disabled persons, whether or not motorised or otherwise mechanically propelled
458.	8714	Parts and accessories of bicycles and other cycles (including delivery tricycles), not motorised, of

1.	2106 90 20	Pan masala
2.	2401	Unmanufactured tobacco; tobacco refuse [other than tobacco leaves]
3.	2402	Cigars, cheroots, cigarillos and cigarettes, of tobacco or of tobacco substitutes
4.	2403	Other manufactured tobacco and manufactured tobacco substitutes; "homogenised" or "reconstituted" tobacco; tobacco extracts and essences (including biris)
5.	2404 11 00	Products containing tobacco or reconstituted tobacco and intended for inhalation without combustion
6.	2404 19 00	Products containing tobacco or nicotine substitutes and intended for inhalation without combustion

Explanation.—For the purposes of this notification,—

(a) the expressions, -

(i) "unit container" means a package, whether large or small (for example, tin, can, box, jar, bottle, bag, or carton, drum, barrel, or canister) designed to hold a pre-determined quantity or number, which is indicated on such package;

(ii) "pre-packaged and labelled" means all commodities that are intended for retail sale and containing not more than 25 kg or 25 litre, which are "pre-packed" as defined in clause (l) of section 2 of the Legal Metrology Act, 2009 (1 of 2010) where, the package in which the commodity is pre-packed or a label securely affixed thereto is required to bear the declarations under the provisions of the Legal Metrology Act, 2009 (1 of 2010) and the rules made thereunder;

(iii) "tariff item", "sub-heading", "heading" and "Chapter" shall mean respectively a tariff item, sub-heading, heading and Chapter as specified in the First Schedule to the Customs Tariff Act, 1975 (51 of 1975);

(b) the rules for the interpretation of the First Schedule to the Customs Tariff Act, 1975 (51 of 1975) including the Section and Chapter Notes and the General Explanatory Notes of the First Schedule shall, so far as may be, apply to the interpretation of this notification;

(c) the words and expressions used and not defined in this notification, but defined in the Central Goods and Service Tax Act, 2017 (12 of 2017), the Integrated Goods and Services Tax Act, 2017 (13 of 2017) and the Union Territory Goods and Services Tax Act, 2017 (14 of 2017), shall have the same meanings as assigned to them in those Acts.

2. This notification shall come into force with effect from the 22nd day of September, 2025.

[F. No CBIC-190341/188/2025-TRU]

(...)

Under Secretary to the Government of India

**GOVERNMENT OF TELANGANA
ABSTRACT**

The Telangana Goods and Services Tax Act, 2017(Telangana Act No.23 of 2017) – State Tax
– Rates of Tax on Goods and Services – Certain amendments - Notification - Orders – Issued.

Revenue (CT-II) Department

G.O.Ms.No.109,

Date:18.09.2025.

Read the following:

1. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.9/2025, Central Tax (Rate), Dt.17-09-2025.
2. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.10/2025, Central Tax (Rate), Dt.17-09-2025.
3. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.11/2025, Central Tax (Rate), Dt.17-09-2025.
4. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.12/2025, Central Tax (Rate), Dt.17-09-2025.
5. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.13/2025, Central Tax (Rate), Dt.17-09-2025.
6. Government of India, Ministry of Finance (Department of Revenue), Central Board of Indirect Taxes and Customs, New Delhi, Notification No.14/2025, Central Tax (Rate), Dt.17-09-2025.
7. From Commissioner of Commercial Taxes, Telangana, Hyderabad, letter CCT's RefNo. A(1)/133/2025, Dt.15.09.2025.

ORDER :

The following Notification shall be published in an Extra-ordinary issue of Telangana Gazette, Dated:18.09.2025.

Notification No. 9/2025- State Tax (Rate)

In exercise of the powers conferred by sub-section (1) of section 9 and sub-section (5) of section 15 of the Telangana Goods and Services Tax Act, 2017 (Telangana Act No.23 of 2017), and in supersession of the notification No. 01/2017-State Tax (Rate), dated the 28th June, 2017 issued in G.O. Ms No. 110, Revenue (CT-II) Department, Dt. 29-06-2017, published in Telangana Gazette Part-I, Extraordinary No. 191/A, Dt. 30-06-2017, except as respects things done or omitted to be done before such supersession, the State Government, on the recommendations of the Council, hereby notifies the rate of State tax of-

- (i) 2.5 per cent. in respect of goods specified in Schedule I;
- (ii) 9per cent. in respect of goods specified in Schedule II;
- (iii) 20 per cent. in respect of goods specified in Schedule III;
- (iv) 1.5per cent. in respect of goods specified in Schedule IV;

- (v) 0.125 per cent. in respect of goods specified in Schedule V;
- (vi) 0.75 per cent. in respect of goods specified in Schedule VI, and
- (vii) 14 per cent in respect of goods specified in Schedule VII,

appended to this notification (hereinafter referred to as the said Schedules), that shall be levied on intra-State supplies of goods, the description of which is specified in the corresponding entry in column (3) of the said Schedules, falling under the tariff item, sub-heading, heading or Chapter, as the case may be, as specified in the corresponding entry in column (2) of the said Schedules.

Schedule I – 2.5%

S. No.	Chapter/Heading/Sub-heading/Tariffitem	Description of goods
(1)	(2)	(3)
1.	0101 21 00, 0101 29	Live horses
2.	0202, 0203, 0204, 0205, 0206, 0207, 0208, 0209, 0210	All goods, other than fresh or chilled, pre-packaged and labelled
3.	0303, 0304, 0305, 0306, 0307, 0308, 0309	All goods, other than fresh or chilled, pre-packaged and labelled
4.	0402	Milk and cream, concentrated or containing added sugar or other sweetening matter, including condensed milk
5.	0403	Yoghurt; Cream, kephir and other fermented or acidified milk and cream, whether or not concentrated or containing added sugar or other sweetening matter or flavored or containing added fruit, nuts or cocoa; Pre-packaged and labelled Curd, Lassi and Butter milk
6.	0404	Whey, whether or not concentrated or containing added sugar or other sweetening matter; products consisting of natural milk constituents, whether or not containing added sugar or other sweetening matter, not elsewhere specified or included
7.	0405	Butter and other fats and oils derived from milk, including ghee; dairy spreads
8.	0406	Cheese, other than chena or paneer
9.	0408	Birds' eggs, not in shell, and egg yolks, fresh, dried, cooked by steaming or by boiling in water, moulded, frozen or otherwise preserved, whether or not containing added sugar or other sweetening matter.
10.	0409	Natural honey, pre-packaged and labelled
11.	0410	Insects and other edible products of animal origin, not elsewhere specified or included
12.	0502	Pigs', hogs' or boars' bristles and hair; badger hair and other brush making hair; waste of such bristles or hair.
13.	0504	All goods, other than fresh or chilled, pre-packaged and labelled

436.	8479	Composting Machines
437.	84, 85 or 94	Following renewable energy devices and parts for their manufacture:- (a) Bio-gas plant; (b) Solar power-based devices; (c) Solar power generator; (d) Wind mills, Wind Operated Electricity Generator (WOEG); (e) Waste to energy plants / devices; (f) Solar lantern / solar lamp; (g) Ocean waves/tidal waves energy devices/plants; (h) Photo voltaic cells, whether or not assembled in modules or made up into panels. Explanation:- If the goods specified in this entry are supplied, by a supplier, along with supplies of other goods and services, one of which being a taxable service specified in the entry at S. No. 38 of the Table mentioned in the notification No. 11/2017-State Tax (Rate), dated 28th June, 2017 [G.S.R. 690(E)], the value of supply of goods for the purposes of this entry shall be deemed as seventy per cent. of the gross consideration charged for all such supplies, and the remaining thirty per cent. of the gross consideration charged shall be deemed as value of the said taxable service
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443.	8708	Following parts of tractors namely: a. Rear Tractor wheel rim, b. tractor centre housing, c. tractor housing transmission, d. tractor support front axle
444.	8708 10 10	Bumpers and parts thereof for tractors
445.	8708 30 00	Brakes assembly and its parts thereof for tractors
446.	8708 40 00	Gear boxes and parts thereof for tractors
447.	8708 50 00	Transaxles and its parts thereof for tractors

Explanation.— For the purposes of this notification,—

(a) the expressions "tariff item", "sub-heading", "heading" and "Chapter" shall mean respectively a tariff item, sub-heading, heading and Chapter as specified in the First Schedule to the Customs Tariff Act, 1975 (Central Act No.51 of 1975);

(b) the rules for the interpretation of the First Schedule to the Customs Tariff Act, 1975 (Central Act No.51 of 1975) including the Section and Chapter Notes and the General Explanatory Notes of the First Schedule shall, so far as may be, apply to the interpretation of this notification;

(c) the words and expressions used and not defined in this notification, but defined in the Telangana Goods and Service Tax Act, 2017 (Telangana Act No.23 of 2017), the Integrated Goods and Services Tax Act, 2017 (Central Act No.13 of 2017) and the Union Territory Goods and Services Tax Act, 2017 (Central Act No.14 of 2017), shall have the same meanings as assigned to them in those Acts.

2. This notification shall come into force on the 22nd September, 2025.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

S.A.M.RIZVI

PRINCIPAL SECRETARY TO GOVERNMENT

To:

The Commissioner of Printing, Stationery and Stores Purchase (Publication Wing) Telangana, Hyderabad for publication of the Notification (It is requested to supply 5 copies of the notification to this Department and 300 copies to Commissioner of Commercial Taxes, Telangana, Hyderabad).

The Commissioner of Commercial Taxes, Telangana, Hyderabad.

The Secretary, GST Council, 5th Floor, Tower II, Jeevan Bharti Building, Janpath Road, Connaught Place, New Delhi-110 001.

The Principal Chief Commissioner, GST Hyderabad Zone, Kendriya GST Bhavan, L.B. Stadium Road, Basheer Bagh, Hyderabad- 500 004.

Copy to:

The Accountant General, Telangana, Hyderabad.

The Law (A) Department.

The P.S. to Secretary (MR) to Hon'ble Chief Minister.

The P.S. to Principal Secretary to Government, Revenue (CT& Ex) Department.

Sf/Sc.

//FORWARDED :: BY ORDER//

SECTION OFFICER

No. 318/38/2018-GCRT
Government of India
Ministry of New & Renewable Energy

Block No. 14, CGO Complex
Lodhi Road, New Delhi
Date: 21st July 2020

OFFICE MEMORANDUM

Subject: Benchmark costs for Grid-connected Rooftop Solar Photo-voltaic systems for the financial year 2020-21 –reg.

In continuation of Ministry's OM No 318/33/2019-GCRT dated 16th July 2019, the undersigned is directed to say that the benchmark costs for Grid-connected Rooftop Solar Photo-voltaic systems for the financial year 2020-21 will be as under:

Capacity Range*	Benchmark Costs (Rs. per Watt)	
	General Category States/UTs	Special Category States including North-Eastern States including Sikkim, Uttarakhand, Himachal Pradesh, Jammu & Kashmir, Ladakh, Andaman & Nicobar and Lakshadweep Islands**
1 kW	47	52
>1 to 2 kW	43	47
>2 to 3 kW	42	46
>3 to 10 kW	41	45
>10 to 100 kW	38	42
>100 to 500 kW	36	40

*Capacity will be calculated based on Inverter capacity or the SPV module array capacity whichever is lower

**The separate benchmark cost for Special Category States will be applicable for projects under phase II of the programme only.

2. All the above benchmark costs are inclusive of total system cost including Photo-Voltaic solar modules, invertors, balance of systems including cables, Switches/Circuit Breakers /Connectors/ Junction Boxes, mounting structure, earthing, Lightening arrester, cost of meters (if any other than net meter), local connectivity cost, cost of civil works, foundations etc. and its installation, commissioning, transportation, insurance, capital cost of online monitoring, comprehensive maintenance charges for five years, applicable fees and taxes etc.

3. The above-mentioned benchmark costs are excluding net metering cost and battery back-up costs.

4. The above-mentioned benchmark cost is indicative only. All participating DISCOMS under the phase II of the rooftop solar programme will ensure that the rate is discovered through transparent bidding process.

5. The benchmark cost for year 2020-21 will be applicable for all LoAs to be issued / empanelment of developers/vendors to be done after 31.07.2020 by the implementing agencies in States/UTs.

(Aujender Singh)

Deputy Secretary to Government of India

E Mail: aujender.singh@nic.in

Tel No. 011-24368906

To

All Concerned

Copy to: Dir. (NIC) to upload this on the Ministry's website.



TELANGANA ELECTRICITY REGULATORY COMMISSION
'Vidyut Niyamtran Bhavan', G.T.S. Colony, Kalyan Nagar, Hyderabad 500 045

O. P. No. 32 of 2025

Dated : 22.04.2025

Present

Dr. Justice Devaraju Nagarjun, Chairman

1. Southern Power Distribution Company of Telangana Limited,
2. Northern Power Distribution Company of Telangana Limited

.....Petitioners

ORDER

Background:

1. Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyaan (PM-KUSUM) Scheme is for de-dieselization of farm sector, enhancing the income of farmers, increase the share of solar energy in the power mix, de-centralised solar power generation, agricultural sustainability and reduce reliance on fossil fuels. MNRE launched the PM KUSUM in the year 2019. Under the Scheme, central government subsidy upto 30% or 50% of the total cost is given for the installation of standalone solar pumps and also for the solarization of existing grid connected agricultural pumps. Further, farmers can also install grid connected solar power plants of 0.5MW to 2MW under the Scheme on their barren/fallow lands and sell electricity to local DISCOM at a tariff determined by State regulator. This scheme is being implemented by the designated departments of the State Government.
2. Ministry of New & Renewable Energy vide Order dated 17.01.2024 has issued comprehensive guidelines for the implementation of the PM-KUSUM Scheme, superseding all previous guidelines and amendments, including O.M. No. 32/645/2017-SPV Division dated 22.07.2019. The scheme consists of the following components:

- i. Component-A: Installation of 10,000 MW of decentralized ground/stilt-mounted grid-connected solar or other renewable energy-based power plants.
- ii. Component-B: Deployment of 14 lakh stand-alone solar agriculture pumps.
- iii. Component-C: Solarization of 35 lakh grid-connected agriculture pumps, including feeder-level solarization.

Present Proposal of TGDISCOMs

3. The TGSPDCL on behalf of TGDiscoms has submitted that the Ministry of New and Renewable Energy (MNRE), Government of India, has sanctioned 4000 MW capacity to Telangana vide order dated 24.06.2024, based on request from the Government of Telangana dated 02.04.2024. The procurement process is aligned with the comprehensive guidelines issued by MNRE for implementation of Component-A of the PM-KUSUM Scheme.
4. The present petition is filed by TGSPDCL on behalf of TGDISCOMs vide Lr. No. CE(IPC) /DE(IPC)/F.PMKUSUM/D.No.1547/2024-25, Dt:18-01-2025 under section 62 (1) (a) & 86(1)(b) of the Electricity Act, 2003, u/s 21 (4) of Telangana Electricity Reforms Act, 1998 and u/s. 35(2) of Business Regulations, 2015 seeking approval for procurement of 4000 MW, decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) by TGDISCOMs under Component-A of PM KUSUM Scheme along with draft Expression of Interest (EoI), Model Power Purchase Agreement (PPA) & Model Lease Agreement. This includes 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME, for which in principal approval has already been given by this Commission on 06.03.2025.
5. After scrutinizing the proposals, the Commission vide this office letters dated 28.02.2025 & 22.03.2025 directed TGDISCOMs to submit justification and other information in respect of proposed solar power procurement. Accordingly, TGSPDCL on behalf of TGDISCOMs submitted the justification and other information vide letters dated 01.03.2025 and 02.04.2025 for procurement of solar power and also load generation balance to justify the procurement. Considering the proposals and justification submitted, the Commission has decided to take up the issue through public consultation process.

Admission of Petition

6. The petition filed by TGDISCOMs was scrutinized and found to be generally in order as required under the Conduct of Business Regulations No. 2 of 2015. The Commission admitted the petition and the same was taken on record by assigning the Original Petition number as O. P. No. 32 of 2024.
7. Even though the Petitioner has filed this application seeking approval for procurement of 4000 MW (inclusive of 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME) under decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) by TGDISCOMs under Component-A of PM KUSUM Scheme along with Model Power Purchase Agreement (PPA), draft Expression of Interest (Eoi), & Model Lease Agreement, the TGDISCOM/TGDEDCO even prior to taking approval of draft Expression of Interest (Eoi) has uploaded the same inviting applications from the interested entrepreneurs. Thereby, in so far as seeking approval of Eoi is concerned, the TGDISCOMs are seeking post facto approval which is not permissible. Accordingly, this Commission will not consider the application in so far as for the approval of the Eoi. Similarly, the request of REDCO/DISCOMs for giving the approval for Model Lease Agreement can't be considered for the simple reason that the modalities of Lease and terms of Lease Agreement lies with the owner of the land and the person taking land on lease. Giving approval for model lease agreement is not within the purview of this Commission.
8. Therefore, this Petition is considered only in respect of procurement of 4000 MW (inclusive of 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME) under decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) by TGDISCOMs under Component-A of PM KUSUM Scheme and Model Power Purchase Agreement (PPA).

Notification inviting Suggestions/Objections/Comments

9. The Commission with reference to the provisions of the Electricity Act, 2003, under applicable Regulations decided to take up the matter through public consultation process and accordingly, directed TGDISCOMs to issue public notice in two (2) Telugu, two (2) English and One (1) Urdu newspapers on 03.04.2025. In the Public Notice it was also indicated that the Commission

intends to conduct a Public Hearing in this regard on 17.04.2025 from 11:00 hours onwards at TGERC Court Hall. The Public Notice, filings and supporting material were also hosted on the website of TGDISCOMs as well as the Commission. Copy of the Public Notice is enclosed as Annexure-I.

Public Hearing

10. In response to the above Public Notice, suggestions / comments / objections in writing were received from 4 stakeholders before the public hearing. The details of the stakeholders who have submitted suggestions / comments / objections are enclosed as Annexure-II. The Public hearing was conducted on 17.04.2025 from 11:00 hours onwards at TGERC Court Hall, Hyderabad. CMD/TGSPDCL has given brief presentation on the petition. More than 77 stakeholders have attended the public hearing, out of them 20 stakeholders have submitted their suggestions / objections / comments and TGSPDCL responded to the issues raised during the public hearing.

Justification submitted by TGDISCOMs

11. **Load-generation balance projections for the next 10 years**

As per TGERC Order dated 29.12.2023 in OP No 07 & 08 and 18 & 19 of 2020 in approving Resource Plan and Business Plan for TGDISCOMs for 5th control period and 6th control period, the following were the energy requirements.

Financial Year	Energy requirement (MUs)
FY 25	83,058
FY 26	87,564
FY 27	92,365
FY 28	97,482
FY 29	102,942
FY 30	107,868
FY 31	113,095
FY 32	118,632
FY 33	124,488
FY 34	130,711

12. The actual power purchase by the State in FY24 was 86,823 MUs, surpassing the projected requirement for FY25 as per the resource plan. The

Central Electricity Authority (CEA) has projected the energy requirements from FY25 to FY35 based on the actuals of FY24 in the Report of Resource Adequacy Plan for the State of Telangana. Following table consists of the energy requirement and peak demand as per CEAs Resource Adequacy Study.

	FY 25	FY 26	FY 27	FY 28	FY 29
Energy requirement (MUs), As per CEA Projections	90,962	96,596	102,732	108,932	115,347
Energy Availability (MUs)	95,753	106,637	106,157	105,506	102,784
Surplus/Deficit	4,791	10,041	3,425	(3,426)	(12,563)
	FY 30	FY 31	FY 32	FY 33	FY 34
Energy requirement (MUs), As per CEA Projections	122,627	128,032	133,211	138,600	144,206
Energy Availability (MUs)	97,429	96,334	96,570	96,334	96,334
Surplus/Deficit	(25,198)	(31,698)	(36,641)	(42,266)	(47,872)

13. As evident from the above mentioned tables, TGDIsComs are expected to have an energy deficit from FY 28 onwards and also in FY 25 and FY 26 showing surplus but it is evident that there is surplus only in certain blocks. During the agriculture months TGDIsCOMs are depending on the short-term market to meet the energy demand. The proposed distributed solar power plants will complement the energy demand during agriculture seasons.
14. For better illustration, the energy requirement approved by TGERC under Resource plan vis-à-vis CEA Resource Adequacy report is submitted as under:

Energy Requirement of TGDIsCOMs at State periphery in MU			
FY	As per TGERC approved Resource Plan	As per CEA Resource Adequacy report	Difference
2024-25	83,058	90,962	7,904
2025-26	87,564	96,596	9,032
2026-27	92,365	1,02,732	10,367
2027-28	1,00,285	1,08,932	8,647
2028-29	1,02,942	1,15,347	12,405
2029-30	1,07,868	1,22,627	14,759
2030-31	1,13,095	1,28,032	14,937
2031-32	1,18,632	1,33,211	14,579
2032-33	1,24,488	1,38,600	14,112
2033-34	1,30,711	1,44,206	13,492
2034-35	-	1,50,040	-

15. Taking into consideration the CEA Resource adequacy report, revised energy availability projections are as under:

FY	TGERC approved Surplus/ Deficit (MU)	Difference energy requirement as per CEA report (MU)	Revised Surplus/ Deficit (MU)
2024-25	12,696	7,904	4792
2025-26	19,073	9,032	10041
2026-27	13,793	10,367	3426
2027-28	8,024	8,647	-623
2028-29	-158	12,405	-12563
2029-30	-10,440	14,759	-25199
2030-31	-16,761	14,937	-31,698
2031-32	-22,062	14,579	-36,641
2032-33	-28,153	14,112	-42,265
2033-34	-34,376	13,492	-47,868

16. The estimated energy requirement is expected to enhance further with the advent of new proposals/developments in the State such as:

- i. EV policy which requires extending reliable green power supply to EV Charging Stations, thereby promoting adoption of e-mobility in the State;
- ii. Establishment of Data Centres;
- iii. Extension of Metro corridor;

17. It is further submitted that though there is energy surplus on an annual basis, there is power deficit during many blocks during the day which has to be met through market purchases.

18. Hence, proposed procurement of solar power under PM KUSUM scheme Component A, shall assist TGDIs to mitigate the energy deficit in the ensuing years, and ensure TGDIs Power supply commitments to the consumers of Telangana in a reliable manner.

19. As per the MOP's (Ministry of Power) Renewable Purchase Obligation (RPO) dated 20.10.2023, following are the RPO targets for the TGDIs:

Year	Wind Renewable Energy	Hydro Renewable Energy	Distributed Renewable Energy*	Other Renewable Energy	Total Renewable Energy
2024-25	0.67%	0.38%	1.50%	27.35%	29.91%
2025-26	1.45%	1.22%	2.10%	28.24%	33.01%
2026-27	1.97%	1.34%	2.70%	29.94%	35.95%
2027-28	2.45%	1.42%	3.30%	31.64%	38.81%
2028-29	2.95%	1.42%	3.90%	33.10%	41.36%
2029-30	3.48%	1.33%	4.50%	34.02%	43.33%

20. Telangana, with its current contracted renewable energy (RE) capacity, cannot meet the Renewable Purchase Obligation (RPO) targets set by the

Ministry of Power (MoP). This shortfall could result in a significant **penalty of approximately Rs. 3.72 per kWh**. The following table outlines the year-wise RPO shortfall for Telangana, which could lead to penalties imposed by the MoP.

Particulars	UoM	FY25	FY26	FY27	FY28	FY29	FY30
Demand	MW	16,877	18,138	19,529	20,968	22,488	24,215
Energy requirement	MUs	90,962	96,596	102,732	108,932	115,347	122,627
RPO Target	%	29.91%	33.01%	35.95%	38.81%	41.36%	43.33%
	MUs	27,207	31,886	36,932	42,277	47,719	53,134
Existing Total RE Generation in Telangana	MUs	16,266	21,033	21,033	21,033	21,025	20,975
RPO Shortfall (With contracted RE capacity)	MUs	10,941	10,853	15,899	21,244	26,694	32,159
RPO Penalty	Rs. Crores	4,041	5,920	7,909	9,934	11,973	4,041

21. It is also submitted that some of the Commercial & Industrial (C & I) consumers are voluntarily opting for green power, and they have approached TGDISCOMs for availing green power. Apart from meeting the RPO, procurement of solar power is expected to reduce the power purchase cost of the TGDIscoms. Since the proposed procurement of solar power at INR 3.13/kWh is lower than the estimated average power purchase cost of INR 5.15 kWh (FY 2025-26). Further, the solar tariff is single part levelized tariff fixed for 25 years, unlike thermal power tariff being two parts with an increasing Variable Cost component.
22. Considering the above points, the proposed procurement of RE power will enable the TGDIscoms to comply with RPO and in reducing the power purchase cost. This will enable discoms in reducing the PP cost and the consequent financial burden on the consumers.
23. In addition to the above, it is submitted that as these proposed solar power plants are to be installed near the load centres i.e., injection at 11 kV level in 33 /11 kV substation, it will reduce the Transmission & Distribution losses. At the same time energy pumped at 11 kV level will also avoid Transmission charges and investment towards transmission infrastructure.

24. As per Clause 3 of Regulation No 7 of 2022 (TGERC Renewable Power Purchase Obligation (Compliance by purchase of Renewable Energy/Renewable Energy Certificates) Regulation, 2022) for compliance of RPPO by obligated entities for FY 2022-23 to FY 2026-27, following are the RPPO targets for the Telangana State:

Year/RPPO	2022-23	2023-24	2024-25	2025-26	2026-27
Solar	7.50%	8%	9%	10%	11%
Non-Solar	1%	1.25%	1.50%	1.75%	2%
Total	8.50%	9.25%	10.50%	11.75%	13.00%

25. As against the RPPO requirement of 9.25% as per TGERC, TGDISCOMs have achieved RPPO of approximately 14% during FY 2023-24. However, while entering the PPAs for purchase of RE power, TGDISCOMs have examined the RPPO targets in vogue both at State level & National level. Going further RPPO targets of the State are further likely to be enhanced as the targeted RE capacity addition at India level has been revised to 450 GW by 2030 (350 GW Solar and 100 GW Non-Solar).

26. TGDISCOMs to comply with the MoP notified RPPO trajectory, it is likely that the State RPPOs may be required to align with the MoP RPPO. It is to submit that, the MoP, Govt of India vide Gazette dated 20.10.2023 has specified the following minimum share of consumption of renewable energy by the TGDISCOMs as a percentage of total share of energy consumption for different designated consumers (including DISCOMs as a percentage of their total share of energy consumption) under the Energy Conservation Act, 2001:

Year	Wind (%)	Hydro (%)	Distributed renewable energy (%)	Other renewable energy(%)	Total renewable energy (%)
2024-25	0.67	0.38	1.50	27.35	29.91
2025-26	1.45	1.22	2.10	28.24	33.01
2026-27	1.97	1.34	2.70	29.94	35.95
2027-28	2.45	1.42	3.30	31.64	38.81
2028-29	2.95	1.42	3.90	33.10	41.36
2029-30	3.48	1.33	4.50	34.02	43.33

*Above targets are effective from 01.04.2024

27. Further, it was stipulated that any shortfall in above specified RE consumption targets shall be treated as non compliance and penalty shall be imposed at such rate specified under sub section (3) of section 26 of the said Act.

Guidelines of Component-A of the PM KUSUM Scheme**28. Salient Features:**

- i. This Component-A aims at setting up of 10,000 MW of Decentralized Ground / Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants by farmers on their land.
- ii. Solar or other Renewable Energy based Power Plants (REPP) of capacity of 500 kW to 2 MW will be setup by Renewable Power Generator (RPG).
- iii. The REPP will be preferably installed within five km radius of the sub-stations in order to avoid high cost of sub-transmission lines and to reduce transmission losses.
- iv. The total energy purchased from these RE plants will be accounted for Renewable Purchase Obligation (RPO) under Decentralized Renewable Energy (DRE) category by the DISCOM.

Eligibility :

- i. The REPP under the scheme would be installed by the farmers on his own land either directly by himself or in partnership with group of farmers/ cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/Water User associations (WUA), or through a developer.
- ii. Group of farmers / cooperatives/ panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) etc. can opt for developing the REPP through developer(s). The farmer may provide his land to the DISCOM, which will then be considered as Renewable Power Generator (RPG) in this case. In such a case, the land owner will get lease rent as mutually agreed between the parties. The lease rent may be in terms of Rs. per year per acre of land or in terms of Rs. per unit energy generated per acre of land area. The farmer(s) may opt for payment of lease rent directly in their bank account by the DISCOM, from the payment due to the developer. A model Land Lease Agreement to facilitate the beneficiaries is provided as Annexure to the guidelines. However, the terms of Land Lease Agreement may be finalised with mutual consent of concerned parties.

Notification of sub-station wise generation capacity and intent to setup REPP :

- i. DISCOM shall assess and notify RE generation capacity that can be injected into 33/11 kV or 66/11 kV or 110/11 kV sub-station in rural areas and place such notification on its website for information of all stakeholders.
- ii. DISCOMs will notify sub-station wise surplus capacity which can be fed from such RE power plants to the Grid.
- iii. DISCOMs should prefix the levelized tariff.
- iv. DISCOM shall invite applications from interested beneficiaries for setting up the renewable energy plants.
- v. The renewable power generated will be purchased by DISCOMs at the pre-fixed levelized tariff.
- vi. In case the aggregate capacity offered by applicants is more than notified capacity for a particular sub-station, bidding route will be followed by DISCOMs to select Renewable Power generator and in such cases the pre-fixed levelized tariff will be the ceiling tariff for bidding.
- vii. For setting up of plant, land will be required. To facilitate farmers willing to lease out their land for development of RE plants near the notified substation(s), DISCOMs may make a list of such farmers and place that list on their website. However, the leasing of land of any farmers will be a bi-partite agreement between the farmer and the developer, and the DISCOM will not be held responsible for failure in getting the land leased out to a developer.

Application procedure & Selection of REPP:

- i. DISCOM may invite applications for Expression of Interest (EOI) from prospective RPGs, through their online portal.
- ii. The RPGs shall submit their application for setting up REPP to DISCOM/SIA, as per prescribed format.
- iii. The application should be submitted along with a non-refundable processing fee from the interested RPGs, which in no case shall be higher than Rs. 5000 per MW or part thereof of the capacity applied for.
- iv. In case the total aggregate capacity of eligible applications received for a particular substation is less than or equal to the capacity notified for connectivity at the sub-station, Letter of Award (LoA) will be awarded to

all eligible applicants for procurement of renewable power at a pre-fixed levelized tariff on first come first serve basis within one month from the receipt of application.

- v. In case the total aggregate capacity of eligible application received for a particular substation is more than the capacity notified for connectivity at the sub-station, then DISCOM or any agency authorized by the DISCOM shall invite Bids from all these applicants.
- vi. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction. In such cases, the pre-fixed levelized tariff will be the ceiling tariff for bidders. In case of bidding, all eligible applicants will have to submit tariff bids within a prescribed time. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid. LoA will be awarded to all successful bidders.

Clearances required from the State Government and other local bodies :

- i. The RPG is required to obtain necessary clearances as required for setting up the REPP in coordination with DISCOMs. District Collectors should facilitate the clearances required for issues related to land permissions, right of way, etc.

Power Purchase Agreement (PPA):

- i. A model PPA (Power Purchase Agreement) to be executed between RPG and DISCOMs is as per Annexure II of the Guidelines.
- ii. The duration of PPA will be 25 years from Commercial Operation Date (COD) of the project.
- iii. The PPA will have to be executed by RPG within two months from the date of issue of LoA by DISCOM or any agency authorized by the DISCOM.
- iv. The DISCOM will be obliged to buy the entire power from RPG within the contract capacity.
- v. The RPG will be free to operate the plant after expiry of the 25 years of PPA period if other conditions (like land lease, etc.) permits. However, any extension of the PPA period beyond 25 years shall be through mutual agreement between the RPG and DISCOM.

- vi. As a payment security measure, DISCOM will have to maintain Escrow Arrangement as defined in the PPA.

Bank Guarantees (BG):

- i. In case of bidding, the RPG shall provide Earnest Money Deposit (EMD) of Rs. 1 Lakh/MW in the form of Bank Guarantee along with EoI.
- ii. The EMD of Rs. 1 Lakh per MW will be converted into Performance Bank Guarantee (PBG) for the successful bidders, who have signed the PPA within stipulated time period.
- iii. In case the selected RPG fails to execute the PPA within the stipulated time period, the Bank Guarantee equivalent to EMD shall be encashed by DISCOM as penalty.
- iv. In case any bidder is not selected, DISCOM shall release the EMD within 15 days of the date of issue of LoA to selected RPG(s).
- v. The PBGs shall be valid for a period of 15 months from the date of issue of LoA for the REPP.
- vi. The PBG will be returned to the RPG immediately after successful commissioning of REPP, after considering any penalties due to delay in commissioning as per provisions stipulated in the guidelines.

Connectivity:

- i. The selected RPG will be responsible for laying of dedicated 11 or 33 kV, 66/11 kV or 110/11 kV line from REPP to sub-station, construction of bay and related switchgear at sub-station where the plant is connected to the grid and metering is done.
- ii. RPG can get the transmission line constructed through DISCOM by paying the applicable cost and other charges. RPG will generally be responsible for maintaining this dedicated transmission line.
- iii. In case more than one bidder are awarded projects to be connected to same sub-station, they shall be permitted to co-ordinate with each other for setting up common transmission line for feeding to Sub-Station if they so desire and with the approval of DISCOM. The RPG shall comply with grid connectivity and other regulations as applicable.

Release of Performance Based Incentive (PBI) to DISCOM:

- i. DISCOM will be eligible to get Performance Based Incentive (PBI) @ Rs. 0.40 per unit purchased or Rs. 6.6 lakh per MW of capacity installed, whichever is less, for a period of five years from the COD.

- ii. To avail the PBI, DISCOM shall submit following documents after completion of one year from the COD and every year thereafter till five years:

- (a) Timely payment of monthly lease rent, if applicable, to the land owner of the project.
- (b) Monthly units purchased from the plant and corresponding payment made to the project developer.

- iii. Applicable PBI would be released to the DISCOM after submission of these documents by DISCOM to MNRE.
- iv. The DISCOMs can, if they desire so, pass on the PBI given to DISCOMs by the Central Government under this component, to the REPP owner to get more competitive tariff of RE Power.

Timeline and Penalty:

- i. The selected RPG shall commission the solar power plant within 15 months from date of issuance of LoA.
- ii. The DISCOM is obliged to purchase power from the commissioned REPP even in case of early commissioning.
- iii. A duly constituted Committee of DISCOM officials will physically inspect the Plant in not more than 03 days from the date of receiving a call from the RPG and certify successful commissioning of the plant.
- iv. In case any RPG fails to achieve this milestone, DISCOM shall encash the Performance Bank Guarantee (PBG) in the following manner:

- (a) Delay up to six months – The PBG on per day basis and proportionate to the balance capacity not commissioned.

- (b) In case the commissioning of the solar power plant is delayed over six months, the PPA capacity shall stand reduced / amended to the Project capacity commissioned at the end of six month from scheduled commissioning Date.

- v. In case of delays of plant commissioning due to the reasons beyond the control of the RPG, DISCOM after having satisfied with documentary evidences produced by the RPG for the purpose, can extend the time for commissioning date without any financial implications to the RPG.

Quality Control, Monitoring and Maintenance:

- i. In order to ensure only quality systems are installed, prevailing MNRE/BIS specifications and quality control orders applicable for solar modules, inverters, Balance of System (BoS) and other equipment shall be followed. These shall be monitored by State Implementing Agency (SIA) periodically.
- ii. The SIA would be responsible for ensuring Quality Control, proper maintenance and monitoring of REPPs.
- iii. SIA may assign technical consultants to assist farmers with the preparation of DPR and financial models who could also provide capacity building and guidance on the best practices of system installation and O&M.

Roles and responsibilities of stakeholders:**1) Ministry of New and Renewable Energy**

- i. MNRE will provide Procurement Based Incentive (PBI) to the DISCOMs @ 40 paise/kWh or Rs.6.60 lakhs/MW/year, whichever is lower, for buying solar/ other renewable power under this scheme.
- ii. The PBI will be given to the DISCOMs for a period of five years from the Commercial Operation Date of the plant. Therefore, the maximum PBI that shall be payable to DISCOMs will be Rs. 33 Lakh per MW for the entire period.

2) DISCOMs

- i. The DISCOMs/SIAs shall aggregate the demand and send their proposal for sanction under the scheme along with details on their readiness to implement the Component A of the scheme, to MNRE.
- ii. Implementing Agencies will ensure transparency & objectivity in allocating capacity.
- iii. The DISCOMs will ensure "must-run" status to the solar/ other renewable power plants installed under this scheme and will keep the feeders 'ON' during sunshine hours of a day.
- iv. DISCOM shall act as facilitator to the beneficiaries in implementation of this scheme. In case RPG has taken land from a farmer/group of farmers on lease for the project, the amount of

monthly lease rent would be paid by the DISCOMs to the lessor directly in his/her bank account before 5th day of the month following the month for which the lease rent is due. In such a case, the lease rent paid by the DISCOM will be deducted from monthly payment due to the RPG.

3) State Implementing Agency (SIA) :

- i. SIA will coordinate with State, DISCOM and farmers for implementation of the scheme.
- ii. SIA will assist the farmers in project development activities including formulation of DPR, PPA/EPC contracts, getting funds from financial institutions, etc.
- iii. SIAs will provide the handholding support required by farmers/developers, like availing financing from banks, etc. It will also coordinate with District Authorities for ease of implementation.
- iv. A State level Committee under the chairmanship of Principal Secretary (Renewable Energy/Energy) will be setup by the participating SIA of that State. The committee will be responsible for settlement of any issues arising during selection of solar/ other renewable energy based power plants and their implementation.
- v. SIA will be responsible for coordinating/organizing the quarterly meetings of the State Level Committee.
- vi. SIAs shall ensure publicity of the scheme and create awareness through advertisements etc; and monitor the implementation of the scheme.
- vii. The SIA will be eligible to get service charge of Rs. 0.25 Lakh per MW after commissioning of the projects.

4) Renewable Power Generator (RPG) :

- i. RPG will be responsible for signing PPA and installing the plant as per provisions of scheme guidelines.
- ii. RPG must adhere to applicable rules and regulations and make necessary compliances towards proper commissioning and operation of the plant during the PPA period.

**Objections/Suggestions/Comments of Stakeholders, Replies of TG
Discoms and Commission's Analysis and Findings**

29. The following is the analysis of the objections/suggestions of the stakeholders who have given in writing or submitted orally and the Commission's view in the matter of proposals of TGDISCOMs for procurement of 4000 MW (inclusive of 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME) decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) under Component-A of PM KUSUM Scheme of MNRE along with draft Expression of Interest (EoI), Model Power Purchase Agreement (PPA) & Model Lease Agreement.

CAPACITY ALLOCATED UNDER KUSUM COMPONENT-A

Stakeholder's Submissions

30. The stakeholders have submitted that though originally MNRE has sanctioned 4000 MW under KUSUM Component-A to Telangana on 20.06.2024, as per the State wise approval details, available on the KUSUM website of MNRE and also as per MNRE order dated 31.01.2025, the revised approved capacity for Telangana under KUSUM Component-A is 1000MW. One of the stakeholders have sought clarification as to how and whom the petitioner is going to allot the 1000 MW in case the MNRE does not accept the revision from 1000 MW to 4000 MW.
31. One of the stakeholders has submitted that there are many new challenges in the proposed scheme such as SHGs (Self Help Groups) and farmer associations and that few acres of land parcels have to be identified at multiple locations and that total land required for 4000 MW would be around 20,000 acres. The stakeholder has submitted that the petition does not disclose availability of land near substations and that Substation-wise feasibility assessment has not been carried out by the Discoms and after the commissioning, the O&M eco-system has to be set up and stabilised. It is further suggested that a phased approach to implement this scheme be considered wherein after first phase (say 50 MW of SHG based and 100 MW of other), the lessons learned could be used in the next phase and that substations for the first phase could be prioritised using a variety of factors such as land availability, spare capacity, power supply reliability etc.

Responsibility for land leasing is now with the developers. The stakeholder has also suggested that the State government could consider land pooling and making arrangements for land leasing. Such arrangements could be tried and stabilised during the first phase.

Petitioner's Replies

32. The TGDIsoms have submitted that MNRE had initially allocated 4000 MW capacity to Telangana under KUSUM Component-A in June 2024 however, this allocation was subsequently revised to 1000 MW by the end of January, 2025. By that time the State had already invited Expressions of Interest (Eols) from eligible applicants for the full 4000 MW capacity, with detailed notification issued for identified substations across the State and that the State Government is actively pursuing with MNRE for the restoration of the original allocation of 4000 MW under Component-A.
33. It is further submitted that the State has consciously decided to adopt a distributed generation model under KUSUM Component-A, primarily in view of prevailing land constraints as this scheme encourages utilization of small, scattered land parcels either owned or leased by farmers, it helps to overcome the typical challenges associated with large scale land acquisition.

Commission's Analysis and Findings

34. One of the stakeholders has submitted that there are certain challenges in the proposed scheme such as SHGs and farmer associations who do not have experience in entrepreneurship are being involved and that few acres of land parcels have to be identified at multiple locations and that total land required for 4000 MW would be around 20,000 acres. It is true that the TGDIsoms have to confront with SHG, small farmers and farmer associations as some of them have own lands and some of them have taken the land on lease. There are different business models which have emerged posing various challenges to the TGDIsoms and TGREDCO during the course of execution of the scheme. Hence, the TGDIsoms and TGREDCO are directed to study the challenges involved in the implementation of the scheme in other States for successful implementation of the scheme in the State.
35. Originally the TGREDCO has invited Expression of Interest for 4000 MW under the scheme but ultimately MNRE has reduced the capacity to 1000 MW from 4000 MW. Most of the stakeholders have sought clarification as to

how the TGDIsoms will allot 1000 MW in case if the MNRE denies the restoration of allocation of capacity from 1000 MW to 4000 MW. The concerns of the stakeholders are very genuine.

36. The learned CMD of TGSPDCL while replying to this issue has submitted that there is huge response to the invitation of EoI from the farmers thereby they are making all out efforts to see that MNRE restores back the 4000 MW to the Telangana. He has also added that in case if MNRE is not coming forward to restore 4000 MW under component-A, the State government may consider ways and means to accommodate rest of the allocation of 3000 MW in favour of eligible farmers, subject to the approval of policy by the Government.
37. As per the MNRE portal, the total sanctioned capacity for all States, under KUSUM Component-A is 10,000 MW however as of now the installed capacity is only 563.48 MW, thereby the TGDIsCOMs are confident that they will be able to persuade the MNRE in getting the approval of entire 4000 MW
38. Considering all the above, the Commission deems it fit to accord consent for 4000 MW instead of phased manner in anticipation of MNRE restoring the allocation to 4000 MW.

CAPACITY ALLOCATION UNDER KUSUM B & C AND COMPARISON OF BENEFITS

Stakeholder's submissions

39. One of the stakeholders have submitted that no capacity is approved under KUSUM Component-B (off grid pumps) and that under KUSUM Component-C (pump set solarisation) 28,000 pump sets are sanctioned, and nothing is sanctioned under feeder solarisation and sought clarification on the capacity approved under B and C for Telangana.
40. Other stakeholder has requested the Commission to examine the three components of KUSUM scheme and determine which is more beneficial and give appropriate direction to the TGDIsCOMs and a piece of advice to the State Government.

Petitioner's Replies

41. TGDIsCOMs have submitted that an allocation of 28,000 individual pump sets has been sanctioned for Telangana under Component -C. But, so far as Component-B (off-grid solar pumps) is concerned as of now there is no allocation to the State and that the State Government is actively pursuing

with MNRE for allocations under Component-B to enable comprehensive implementation of the KUSUM scheme in Telangana.

Commission's Analysis and Findings

42. The Commission has taken note of the fact that so far there is no allocation under Component-B for the State of Telangana. However, the present petition is for consent of procurement under component A and hence the discussion is limited to component A only. This Commission hopes that the TGDISCOMs will continue their efforts in respect of allotment of Component-B as well and report the developments to the Commission.

SURPLUS POWER

Stakeholder's submissions

43. Many stakeholders have vehemently encountered the proposal of TGDISCOMs to procure 4000 MW on the ground that the power is available more than the demand and that any addition to the existing capacity by the TGDISCOMs will ultimately end up paying huge amounts to the generators which will affect the consumers adversely. According to them the TGDISCOMs have projected a 30% power surplus (28,504 MU) for current financial year, yet proposed to add 4000 MW solar, generating 6,656 MU annually. This solar addition could increase surplus, especially as solar cannot meet evening or morning peaks, leading to thermal backing down and burden of fixed charges. Approved projections show continued surplus till FY 2028-29, except for a minor deficit in that year. The TGDISCOMs have not explained whether there will be deficit of power during the day time to meet demand, if the proposed 4000 MW solar is not purchased till FY 2028-29.
44. Stakeholders have further submitted that, as per the resource adequacy report of the CEA, availability of surplus power during the 5th control period is very much lesser than what is determined by the Commission for the same period. But the factual position for the FY 2024-25 confirms that the projections of the CEA under Electric Power Survey have turned out to be unrealistic. It confirms the need for reviewing and revising the projections periodically based on changing factual position.
45. The stakeholder has suggested that it is advisable to take into account estimates approved by the Commission for Resource Plans of 5th and 6th control periods while planning RE/solar power capacity additions.

Petitioner's Replies

46. TGDISCOMs have submitted that though they are able to meet the energy requirement, there is still a need for power procurement to meet the peak power requirement during certain hours. The actual power purchased for FY 2024-25 is 86,823 MUs. The State of Telangana has been witnessing high peak demand during day time. The actual power purchased by the State in FY 24 was 86,823 MUs, surpassing the projected requirement for FY25 as per the resource plan. Regarding CEA projections, the TGDISCOMs submitted that for FY 25, a peak demand of 17,162 MW was successfully met by TGDISCOMs as against the projected CEA peak demand of 16,877 MW. The projected load growth is reflective of the increasing demand in the State of Telangana.

Commission's Analysis and Findings

47. As submitted by TGDIscoms short term fluctuations in demand and supply within 15-minute time block may lead to instances of temporary surplus or deficit power. It is essential to consider the broader context of energy demand and supply dynamics. Even though the TGDISCOMs have projected surplus, the variability of demand due to seasonal changes and unforeseen circumstances can render these projections unreliable. Relying solely on surplus figures without accounting for potential spikes in demand could lead to energy shortages, which would ultimately harm consumers more than fixed charges would. Fixed charges associated with the PPA can be viewed as a form of insurance against future shortfalls. It is crucial to ensure energy stability, which sometimes necessitates maintaining capacity even when not fully utilized. The long-term benefits of reliability and stability in energy supply may outweigh the short-term costs, providing consumers with assurance and preventing potential financial losses from outages or insufficient supply.
48. This Commission is also conscious of the fact that the Government of India is party to the Paris Agreement and has committed to achieve net zero by 2070. Similarly, the Government of India also aims at sourcing 50% of its energy requirement by the way of renewable energy by 2030. Therefore, in order to reach the set targets the Integration of renewable energy is required. This Commission has noted the comments of some of the stakeholders that irrespective of commitments of Government of India in international forums,

the procurement of power shall be only in the interest of the consumers and not otherwise.

49. Recently TGGENCO has issued tenders, which are about to be finalised, for 500 MW of Battery Energy Storage System. Once it is finalised, the TGGENCO will have 500 MW of storage facility. According to TGGENCO and TGDIscoms the excess energy available through solar will be stored in the Battery Energy Storage System and will use the same in peak hours thereby TGDIscoms will save lot of money on account of not purchasing part of peak demand power from open market for higher price.
50. Further, the issue of whether CEA projections have to be taken into consideration or the projections made by this Commission in the resource plan is not the issue to be considered at this point of time. The statistics shows that the demand in this State is going to increase leaps and bounds. These PPAs will remain for 25 years. The Variable cost of thermal power is increasing day by day. In contrary, the energy charges through solar is static and likely to decrease. Thereby considering from many angles though it appears that the State has got excess power, still keeping in view of future needs, this Commission is of the opinion that permitting the TGDIscoms to go ahead with this 4000 MW is not unjustified.

RPPO COMPLIANCE

Stakeholder's submissions

51. As per the information furnished by the TGDIscoms, they have exceeded their obligations to purchase RE as per RPPO order in force by almost 100% during the last three years, achieved 15.08% against target of 8.50% for FY 2022-23, 17.96% against 9.25% and 18.28% against 10.50% for FY 2023-24. Even with continuation of purchase of RE as per the PPAs in force as of now, the TGDIscoms can achieve the targets fixed by the Commission in the RPPO order of 11.75% for FY 2025-26 and 13% for FY 2026-27. Though the TGDIscoms have claimed that, with the demand growing approximately at 10% annually, it would be difficult for them to comply with RPPO targets specified by the Commission, they have not substantiated their claim.
52. The targets notified by the MoP for purchase of RE under RPO, under Energy Conservation Act, are abnormal, starting with 29.91% for FY 2024-25 and ending with 43.33% for FY 2029-30. Adoption and implementation of such whimsical targets would lead to disastrous consequences much to the

detriment of the interests of the TGDISCOMs and their consumers. MoP used to make it clear that its proposals for RPO were guidelines only and that it was for the SERCs to determine the targets under RPO. It is because conditions are different in different States in terms of requirement of power, opportunities for developing RE, etc. It implies that uniform targets under RPO cannot be imposed on the States. Fixing targets under RPPO is within the regulatory jurisdiction of the Commission. The powers conferred on the Commission under Electricity Act, 2003, cannot be taken away by the orders or notifications of the Central and State Governments, in so far as they are inconsistent with the Act. Energy Conservation Act cannot override EA, 2003. The notification issued by MoP fixing targets under RPO under Energy Conservation Act, is not binding on the Commission and the TGDISCOMs.

53. In its order dated 20.12.2024, the Hon'ble High Court of Karnataka, in WP No.11235 of 2024 and others, has asserted that "if the Parliament made a law specifically conferring power on the Regulator to frame Regulations which governed every aspect of open access, it is inconceivable that the Central Government can side-step the requirement of the Parliament enacting law in that regard and straight away proceed to frame the impugned Rules.
54. RPPO order issued by the Commission fixes minimum target of purchase of RE by the TGDISCOMs. It does not prohibit the DISCOMs from purchasing RE more than the minimum target and getting consent of the Commission. That the TGDISCOMs are taking shelter under the notification issued by MoP, under Energy Conservation Act, fixing targets for RPO, indicates that it is difficult for them to justify their proposal, of course, at the behest of the State government, to purchase the proposed 4000 MW solar power.
55. The apprehension of the TGDISCOMs that, if they do not follow the notification of MNRE, for purchasing RE, additional penalty would be imposed on the DISCOMs up to Rs.3.72 per unit of shortfall in meeting the RE consumption norm, as conveyed in its letter dated 01.02.2024, is unwarranted.
56. Another stakeholder has submitted that misinterpretation of MoP Notification Dated 20.10.2023 TGDISCOMs have cited Renewable Purchase Obligation (RPO) targets from the Ministry of Power's (MoP) notification dated 20.10.2023 as the notification is not applicable to distribution licensees. It

specifically pertains to designated consumers under Sections 14(n) and 14(x) of the Energy Conservation Act, 2001, and hence, cannot be used as a binding basis to justify obligations on TGDISCOMs. The projected RPO compliance cost of Rs. 3.72/unit claimed by TGDISCOMs is grossly exaggerated and not reflective of actual market trends.

Petitioner's Replies

57. The TGDISCOMs have submitted that the State of Telangana has been witnessing robust growth due to the progressive policy and economic environment in the State. Similar growth trajectory is expected in the coming years and the TGDISCOMs have planned capacity additions to meet the growing demand. In view of this ground reality of higher growth, TGDISCOMs have to plan in advance and necessary measures have been initiated including capacity addition under KUSUM Component-A.
58. The TGDISCOMs have submitted that under Energy Conservation Act, 1 TOE = 11,630 kWh, Value of 1 TOE = INR 21,650 (as per MoP Gazette Notification dated 26th Dec 2023). Penalty for 1 unit of RPO = $2 \times \text{INR } 21,650 / 11,630 \text{ kWh} = \text{INR } 3.72 / \text{unit}$. That under the energy conservation Act, a penalty of INR 3.72/ unit imposed for not complying with RPO and not the cost of REC.
59. Other pertinent point that needs to be considered is that the market for REC is not sufficiently mature. Since Jan 24 till the last trading session of RECs, the price of REC has varied between INR 110/REC to INR 350/REC. The clearance volume in the trading sessions varies significantly and the lowest REC volume cleared was 23,644 RECs. In view of these factors, depending completely on REC market for meeting RPO targets is prone to risks of higher cost/ non-clearance at the desired price point. REC market can be used as a supplemental measure for meeting RPO and cannot be 100% dependent on RECs in view of the points mentioned above. As the market for RECs matures, all the stakeholders including the TGDISCOMs stand to benefit.

Commission's Analysis and Findings

60. As per the relevant provisions of the Tariff Policy, 2016 as notified by the Government of India and under the provisions of Section 86(1)(e) of the Electricity Act, 2003 the appropriate Commission shall fix a minimum percentage of the total consumption of electricity in the area of a distribution

licensee for purchase of energy from renewable energy sources, taking into account availability of such resources and its impact on retail tariffs. Cost of purchase of renewable energy shall be taken into account while determining tariff by SERCs. As per the above provisions, the Commission has fixed RPPO targets vide Regulation No. 7 of 2022.

61. The Commission has recorded the concerns of the stakeholders that MoP targets for purchase of renewable energy is much more than the RPPO targets fixed by the Commission under Regulation No. 7 of 2022. The stakeholders as well as the petitioners have submitted that the TGDIs are bound by the regulations of this Commission and the obligations of MNRE under Energy Conservation Act are only guidelines.
62. The question whether the RPPO targets fixed by MNRE under Energy Conservation Act are binding on the TGDIs and whether MNRE can impose penalty on TGDIs for not following the directions is a debatable aspect. However, this Commission is not in agreement with one of the stakeholders who have submitted that even as per the Energy Conservation Act, TGDIs are not obligated entities. In any case the targets fixed by the Commission under Regulation No. 7 of 2022 or targets fixed by GoI under Energy Conservation Act only guide the TGDIs to see that more and more renewable energy is integrated into the system which ultimately will be helpful in reducing use of the thermal energy so that carbon emission will get reduced. Whether there are targets or not, the TGDIs shall make all the efforts to see that the renewable energy integration is increased year by year. However as rightly submitted by stakeholders, while taking various steps for integration of renewable energy, the interest of the consumers must be taken into consideration, so that common consumers are not affected adversely. Therefore, keeping in view of totality of the circumstances this Commission is of the view that the efforts being made by TGDIs in integrating the renewable energy can be encouraged.

LEVELIZED TARIFF FOR KUSUM COMPONENT A

Stakeholder's submissions

63. The stakeholders have submitted that the tariff of Rs.3.13 per unit of solar power to be purchased by the TGDIs under KUSUM scheme fixed by the Commission on 02.01.2021 is outdated and selecting beneficiaries for setting up solar power units based on such unwarranted tariff is an unhealthy

practice and stated further that the TGDISCOMs have also maintained that they would approach the Commission for adoption of tariff, before they enter into PPAs. It is further submitted that the Commission is requested to direct the TGDISCOMs to go in for competitive bidding to select prospective beneficiaries based on the lowest tariffs quoted by them. Or, the Commission may determine tariff, taking into account the latest lowest tariff for solar power discovered in the country through competitive biddings so far, as far as component A of PM KUSUM scheme is concerned. Since the beneficiaries are self-help groups of women, the Commission may consider addition of ten per cent to the said lowest tariff with a view to encouraging such groups and helping them to earn some income.

64. Another stakeholder has mentioned about significant changes which impacted project costs since 02-01-2021, such as INR depreciation (from Rs.73.2/USD in Jan 2021 to Rs. 86.8/USD currently), steep fluctuations in module prices and shipping costs post-COVID, rising interest rates and financing challenges. As of October 2021 the GST rate on solar modules and related components was increased from 5% to 12%, imposition of Approved list of Module Manufacturers by MNRE and import duty changes. Hence, the tariff fixed in early 2021 is no longer reflective of the current market realities and is therefore not appropriate basis for inviting fresh EoIs. A revised and updated tariff determination exercise is essential to ensure that the scheme remains attractive and bankable for prospective farmers, Self Help Groups (SHGs), and developers. Moreover, considering the sunset clause for KUSUM Component-A ending in March 2026, the current approach imposes an impractical timeline. It poses a significant execution risk for stakeholders, especially when tariff certainty is lacking and project planning must accommodate upcoming monsoon seasons and global procurement uncertainties. A timely revision of the tariff structure will not only improve project viability but also enhances the scheme's implementation success within the remaining timeframe.
65. One of the stakeholders submitted that the Rajasthan Electricity Regulatory Commission (RERC) has recently issued a tariff order on 25.03.2025, fixing the tariff at Rs. 3.04/unit for PM-KUSUM projects. Rajasthan, however, has significantly higher solar radiation (5.5 to 6.2 kWh/m²/day) compared to Telangana's 5.0 to 5.5 kWh/m²/day. Based on a 10% irradiation adjustment,

a fair tariff for Telangana would be Rs. $3.04 + 10\% = \text{Rs. } 3.34/\text{unit}$, which is higher than the currently proposed Rs. 3.13/unit. This supports the earlier request to revise the tariff upward for Telangana. Even with the Rs. 3.13/unit tariff, the calculations show that farmers face a payback period of 14-15 years on their solar investments. Given that PM-KUSUM Component-A does not offer upfront subsidies to farmers, this long payback period is not attractive enough to encourage wide participation.

66. The stakeholder has submitted that, the Commission has considered the interest on long term loan at 10 % while determining the Levelized tariff for KUSUM Component-A, but most banks are currently quoting interest rates exceeding 11%, especially when CGTMSE charges are factored in and suggested for revisiting the assumption.

Petitioner's Replies

67. Competitive bidding is not mandatory under the KUSUM Component-A scheme. However, in instances where the number of eligible applications received exceeds the notified capacity at a particular substation, a transparent selection process becomes unavoidable. In such cases, competitive bidding may be adopted to ensure fairness and adherence to scheme guidelines.
68. The TGDIsCom in the petition has submitted that the solar power generated under this initiative will be purchased by TGDIsCOMs at a prefixed Levelized tariff as approved by the Commission at Rs.3.13/kWh in its order dated 02.01.2021. However, a fresh acceptance will be obtained from the Commission by the TGDIsCOMs towards tariff determination.
69. The petitioner further submitted that the proposed tariff of Rs. 3.13/kWh was determined based on the prevailing market rates of panels and other materials for solar power, assuming a project cost of Rs. 3.6 Crores, during the year 2021. With advancements in technology, the cost of solar panels has decreased, and their efficiency has increased. However, TGDIsCOMs will adhere to the price determined by the TGERC.
70. The petitioner submitted that assumption of interest on loan at 10% in Tariff order is under purview of the Commission

Commission's Analysis and Findings

71. The Commission is confronted with diametrically opposite views from the stakeholders, one for increasing the prefixed levelized tariff from Rs.3.13

/kWh and the other to decrease it, by quoting various reasons. The stakeholders who have batted for increasing the tariff have submitted that there is significant change in project cost and Rupee has become weak when compared to US\$. But others have argued that the costs of Photo Voltaic Cells have come down therefore the tariff has to be reduced.

72. This Commission is conscious of the fact that the scheme has been developed in order to encourage small farmers to become entrepreneurs. They will get integrated into the system of electricity production and help for integration of renewable energy. The farmers who have come forward to generate electricity required to spend huge money towards investment for establishment of plant but also for erecting the transmission lines from the point of generation to the Substation and also require to spend money to engage technicians, pay interest to banks towards the loan borrowed for investment etc.
73. The Commission has determined prefixed levelized tariff at Rs. 3.13/kWh in order dated 02.01.2021 in O.P. No. 24 of 2020. The implementing agency has invited EoIs on the basis of the prefixed levelized tariff at Rs. 3.13/kWh. The applicants must have given their Expression of Interest to install solar plant as they will get Rs 3.13/kWh. If at this stage this Commission alters the tariff it may upset either of the parties. Therefore, the Commission deems it fit not to revise the tariff at this stage and as of now the prefixed levelized tariff of Rs.3.13 /kWh stands continued.

METHODOLOGY FOR SUB-STATION-WISE (S-S WISE) CAPACITY ALLOCATION

Stakeholder's submissions

74. Stakeholders have submitted that, the methodology adopted by the TGDISCOMs in identifying and notifying sub-station-wise capacities under the KUSUM scheme is inefficient, sub-optimal, and technically flawed. Currently, TGDISCOMs have proposed to use the existing transformer capacity and the connected solar capacity on the 11 kV side of 33/11 kV sub-stations as the basis for capacity allocation. This simplistic approach aims at reducing network losses fails to account for the dynamic nature of load profiles and solar generation.
75. Stakeholders have quoted the example that a 33/11 kV sub-station with a 10 MW transformer and a connected 10 MW solar plant at the 33 kV level is still being allocated an additional 6 MW of solar capacity under the scheme. In

such a case, where the local load is already saturated, the new generation will be injected upstream into the grid, causing reverse power flow and a high risk of feeder tripping or transformer overload. This risks grid reliability and undermines the core objective of distributed solar local generation for local consumption.

76. Further Stakeholders have submitted that, States like Rajasthan, Gujarat and Andhra Pradesh have adopted a more holistic and technically sound approach. Instead of basing allocations solely on transformer ratings, they analyse the hourly load curves of each sub-station and match them with typical solar generation profiles to determine net local-absorbing capacity. This approach ensures that optimal absorption of generated power within the local distribution network, minimal reverse power flow, enhanced grid stability and efficient transformer utilization.

Petitioner's Replies

77. The TGDISCOMs have submitted that, network strengthening works would be undertaken as per the resource plan approved by the Commission. This would allay any concerns on the adequacy of the network in meeting the demand as well as to absorb solar generation.

Commission's Analysis and Findings

78. This Commission is in agreement with the concerns expressed by the stakeholders that certain States like AP, Rajasthan, Gujarat have taken holistic and technically sound approach by analysing the hourly load curves of each of the substations and matching them with the solar generation profiles connected to the substations. However, the learned CMD has replied that once the selection process is over and after the SPGs (Solar Power Generators) are identified based on the documents submitted, the TGDISCOMs will also identify net local absorption capacity and will take all relevant steps to strengthen the network so that grid stability and security is maintained. Therefore, the TGDISCOMs are directed to inform the Commission, the steps taken for optimal absorption of generated power within the local distribution network, minimal reverse power flow, enhanced grid stability and efficient transformer utilization.

120. During the course of Public Hearing, many stakeholders and SPGs have raised many issues which are not directly connected with the issue relevant to this petition. The learned CMD/TGSPDCL and VC & MD of TGREDCO have also cleared some of the doubts in the Public Hearing. The issues raised by stakeholders, replies given by TGSPDCL/TGREDCO and Directives of this Commission are placed in Annexure-IV of this Order.

121. Summary and Commission's findings

The Commission considered the submissions of the petitioner, objections / suggestions of stakeholders and perused the records available with the Commission. The Commission has drawn the power to pass the orders as sought for by the TGDISCOMs basing on the relevant provisions of Electricity Act, 2003 and Electricity Reforms Act, 1998. The relevant provisions are extracted here under :

Provisions under the Electricity Act, 2003 and Regulations

122. Following are the Regulatory provisions in the matter of approval for consent of arrangement (PPA) for the purchase of electricity by a distribution licensee from any person or Generating Company and determination of tariff by the Commission.

"Section 21 (4) of the Telangana Electricity Reform Act, 1998 (Act 30 of 1998) r/w the Telangana Gazette No.130 dated 1st June, 2016 and G.O.Ms.No.45, Law (F), 1st June, 2016 [Restrictions on licensees and Generating Companies]

(4) A holder of a supply or transmission licence may, unless expressly prohibited by the terms of its licence, enter into arrangements for the purchase of electricity from, -

(a) the holder of a supply licence which permits the holder of such licence to supply energy to other licensees for distribution by them; and

(b) the ... any person or Generating Company with the consent of Commission

Section 86 (1) (b) of the Electricity Act, 2003 [Functions of State Commission]

(b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall 4 of 28 be procured from the generating companies or

licensees or from other sources through agreements for purchase of power for distribution and supply within the State.

Section 62 (1) (a) of the Electricity Act, 2003 [Determination of Tariff]

- The Appropriate Commission shall determine the tariff in accordance with the provisions of this Act for- (a) supply of electricity by a generating company to a distribution licensee:

The Commission has considered the following for approval of procurement for 4000 MW (inclusive of 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME) decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) by TGDISCOMs under Component-A of PM KUSUM Scheme along with Model Power Purchase Agreement (PPA).

- a) To meet the additional demand arising out of load growth, 24x7 reliable and quality power supply to all the categories of supply including agriculture and Lift Irrigation Schemes;
- b) To meet solar RPPO targets set out by the Commission and reduce emissions;
- c) As a part of cost mitigation measures;
- d) Procurement of solar power at 11 kV level under this scheme results in reduction of the power purchase cost as T&D losses are avoided and voltage profile also improves in distributed generation model;
- e) Grid enhancements at higher voltages can be minimized / deferred as the solar power injected at the 11 kV level results in saving in the capital investments by TGDISCOMs;
- f) This scheme creates employment opportunities in installation, maintenance and local operations thus boosting rural economy;
- g) Decentralisation of solar power reduces grid congestion and reduces transmission losses;
- h) The PM KUSUM scheme aims at strengthening the financial status of farmers and development of rural areas.

123. In view of the discussion in the foregoing paragraphs and considering the issues / suggestions / objections / comments of the stakeholders, replies by

the TGDISCOMs and after analysing the KUSUM scheme and the Clean and Green Energy Policy of Government of Telangana, finally keeping in view of the financial health of the TGDISCOMs and interest of the consumers more particularly consumers of marginalised sector :

- A) The Commission hereby accords consent under Section 86 (1) (b) of the Electricity Act, 2003 for i) procurement of 4000 MW (inclusive of 1000 MW capacity for Women SHGs under INDIRA MAHILA SHAKTI SCHEME) decentralized Ground Mounted Grid-Connected solar power for a period of 25 years from the Commercial Operation Date (COD) by TGDISCOMs under Component-A of PM KUSUM Scheme ii) Model PPA.
- B) The PPAs shall be executed as per approved model PPA with modifications as directed in this order duly correcting the typographical errors found in the model PPA as indicated in the **Annexure-V**.
- C) TGDISCOMs are directed to submit copy of the PPA duly executed for record of the Commission.
- D) TGDISCOMs and TGREDSCO shall ensure compliances with all technical, financial and other requirements as per MNRE guidelines.
- E) The TGDISCOMs shall submit quarterly progress reports on scheme implementation.
- F) The Commission is not inclined to pass any orders in respect of Expression of Interest for procurement of 4000 MW since TGREDSCO which is the State Implementing Agency has already notified the EoI inviting applications from the interested entrepreneurs prior to the approval of the Commission.
- G) The Commission is also not inclined to pass any orders in respect of approval of Model Agreement for Lease of Land, as it is not in the purview of the Commission.

124. Accordingly, this petition is disposed of.

This Order is typed to dictation, corrected and signed on this 22nd day of April, 2025.

Sd/-

(Dr. JUSTICE DEVARAJU NAGARJUN)
CHAIRMAN

//CERTIFIED COPY//

EXPRESSION OF INTEREST**FOR**

**DESIGN, SURVEY, SUPPLY, INSTALLATION, TESTING,
COMMISSIONING, OPERATION & MAINTENANCE FOR 25 YEARS
FROM COD OF DECENTRALIZED GRID CONNECTED SOLAR PV
POWER PLANTS AND ITS ASSOCIATED 11 KV LINE TO CONNECT
THE PLANT WITH VARIOUS 33/11 KV SUB-STATIONS AND REMOTE
MONITORING SYSTEM (RMS) OF SOLAR POWER PLANTS OF
CAPACITY 500 KW TO 2 MW FOR A TOTAL CUMULATIVE
CAPACITY OF 4000 MW ON BARREN / UNCULTIVABLE AND
AGRICULTURAL LAND FALLING WITHIN A RADIUS OF 5KM FROM
33/11 KV SUBSTATIONS NOTIFIED BY TGSPDCL AND TGNPDCL**

UNDER**PM-KUSUM COMPONENT-A SCHEME****EOI REF NO. TGREDCO/PM-KUSUM/Component A/2024-25, Dated:22/01/2025****ISSUED BY**

**TELANGANA RENEWABLE ENERGY DEVELOPMENT
CORPORATION LTD
(TGREDCO)**

Corporate Office: D. No. 6-2-910, Visvesvaraya Bhavan,
The Institution Of Engineers Building, Khairatabad, Hyderabad - 500 004,
Telangana State, India

Phone: 040-23201502, 23201503, Fax: 040-23201504

E-Mail: kusum@tgredco.telangana.gov.in

Web Site: tgredco.telangana.gov.in

1. Key Points for registration of applicants for installation or leasing of land under solar energy plant

- i. Telangana Renewable energy Development Corporation Limited (herein after referred as TGREDCO) hereby invite substation wise expression of interest from individual farmers/ group of farmers / cooperatives/ Panchayats / Farmers Producer Organisations (FPO) / Water User Associations (WUA)/ Self Help Groups or their federations (Village Organisations(VO)) and Mandal Samakhya or through developers as per KUSUM Guidelines, herein after called Solar Power Generator (SPG) for setting up of decentralized grid connected ground/ stilt mounted solar power plant of capacity 500 KW to 2 MW under PM-KUSUM Component-A Scheme, to be connected to respective 33/11 KV sub-stations of rural areas notified by TGNPDCL & TGSPDCL herein after referred as TGDISCOMs).
- ii. The Solar Power Plants will be installed preferably within 5km radius of respective 33/11kV substations. Solar Power Plants near these 33/11 KV sub-stations may be developed by farmers, utilising their own land for setting up of solar power plants. Cultivable land may also be used if the Solar Power Plants are set up on stilts where crops can be grown below the stilts and RE solar power shall be sold to DISCOMS.
- iii. The solar power generated under this initiative will be purchased by TGDISCOMs at a pre-fixed levelized tariff as approved by Telangana Electricity Regulatory Commission (TGERC), Earlier during the year 2021, it was Rs.3.13/kwh in its order dated 02.01.2021. However, a fresh acceptance will be obtained from TGERC by the TGDISCOMS towards tariff determined.
- iv. In case, the aggregate capacity offered by applicants is more than notified capacity for a particular sub-station, bidding route will be followed by TGREDCO to select Solar Power generator and in such cases the pre-fixed levelized tariff will be the ceiling tariff for bidding. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or e-reverse auction as the case may be.
- v. List of 33/11 KV sub-stations notified by TGDISCOMs along with available capacity for setting up solar power plants is provided at Annexure-II.
- vi. In case the individual farmers/ group of farmers / cooperatives/ Panchayats / Farmers Producer Organisations (FPO) / Water User Associations (WUA)/ Self Help Groups or

Sl.No	Designation	Name of the department	Contact Number	Email ID
1	Chief Engineer	TGSPDCL	9490603671	Cgm_ipc@tgsouthernpower.org seipctsspdcl@gmail.com
2	Chief Engineer	TGNPDCL	9491044275	cgmir@tgnpdcl.com
3	DGM(T)	TGREDCO	6304903933	kusum@tgredco.telangana.gov.in

2. MNRE Guidelines, Terms & Conditions related to Component A of PM-KUSUM Scheme

1. Background

- a) On 08 March 2019, Hon'ble Prime Minister of India launched Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM-KUSUM) scheme for farmers for installation of solar pumps and grid connected solar power plants through three components, viz. Component A, Component B and Component C.
- b) Subsequently on 22.07.2019, MNRE introduced & issued guidelines for implementation of PM-KUSUM Scheme with following objectives:
 - i Component-A: Setting up of 10,000 MW of Decentralized Ground / Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants.
 - ii Component-B: Installation of 17.50 Lakh Stand-alone Solar Ag. Pumps.
 - iii Component-C: Solarisation of 10 Lakh Grid Connected Ag. Pumps.
- c) On 17.01.2024, MNRE issued comprehensive guidelines for implementation of PM-KUSUM Scheme with the following revised national targets:
 - i Component-A: Setting up of 10,000 MW of Decentralized Ground / Stilt Mounted Grid Connected Solar or other Renewable Energy based Power Plants by the farmers on their Land.
 - ii Component-B: Installation of 14 Lakh Stand-alone Solar Ag. Pumps.
 - iii Component-C: Solarisation of 35 Lakh Grid Connected Ag. Pumps including Feeder Level Solarization.
- d) On 01.08.2022, MNRE vide OM No. 32/645/2017-SPV Division extended implementation of PM-KUSUM Scheme till 31st March 2026.
- e) As per MNRE guidelines, Discoms shall assess and notify solar power generation capacity that can be injected into 33/11 kV sub-station in rural areas.
- f) Recently, MNRE vide OM No. 32/54/2018-SPV Division dated 24-06-2024 sanctioned 4000 MW solar PV capacity to TGREDCO wherein Scheme sunset has been mentioned as March 2026 while project commissioning timeline shall be till 31st December 2025.

- g) On 02.01.2021, Hon'ble ERC approved pre-fixed levelized tariff of Rs. 3.13/Kwh per unit under Component A of the PM-KUSUM Scheme. However, a fresh acceptance will be obtained from TGERC by the TGDISCOMS towards tariff determined.

3. Responsibilities of Solar Power Generator (SPG):

The Solar Power Generator (SPG) will be responsible for the following tasks:

- i. The SPG shall develop the necessary land and related infrastructure to set up the solar power plant and ensure timely completion of project and connectivity of the solar power plant from 33/11 KV substation as per the prescribed time lines.
- ii. SPG shall submit all necessary documents related to the ownership of land for setting up of solar power plant or provided lease agreement for the land on which he planned to set up solar power plant.
- iii. SPG shall obtain all necessary approval and consent for related document from the appropriate authorities.
- iv. The design, construction, completion, testing and commissioning of the project will be carried out by the SPG in accordance with the applicable rules, Grid Code, Utility established practices, other relevant regulations and terms and conditions of the contract.
- v. To supply the power generated continuously to the distribution corporation during the period of 25 years stipulated in the contract.
- vi. SPG will ensure adequate arrangements for interconnecting solar power plant, metering point, delivery point with the feeding 33/11 KV substation.
- vii. The solar power project shall be ensured to be free from any outage during the contract period.
- viii. SPG shall comply all the term and conditions under the contract.
- ix. SPG shall be responsible to coordinate directly with concerned authorities related to Forecasting & Scheduling, Deviation Settlement Mechanism and Grid Code and all liabilities there under.
- x. SPG shall have to follow all rules and regulations applicable in Telangana regarding registration with TGREDCO. SPG shall also be responsible to remain updated about the applicable fee for registration.

12. Tariff for purchase of power from Solar Power Generator

- i. If the aggregated capacity received from the eligible applicants on particular substation is less than or equal to the spare capacity notified by the Discoms, from all SPGs as per procedures laid down in para 9 below, LoA will be issued to the applicants and the electricity produced from the solar power plant will be purchased by Discoms at the pre-fixed levelized tariff as approved by Telangana Electricity Regulatory Commission (TGERC), Earlier during the year 2021, it was Rs.3.13/kwh in its order dated 02.01.2021. However, a fresh acceptance will be obtained from TGERC by the TGDISCOMS towards tariff determined.
- ii. However, if the total aggregate capacity applied by the eligible applicants for a particular sub-station exceeds from the capacity notified by the Discoms, the reverse bidding process will be followed by TGREDCO to select the solar power generator and in such cases the levelized tariff determined by TGERC shall be considered as ceiling tariff for reverse bidding process. Selection of bidders will be based on the lowest tariff offered in the ascending order as quoted by the bidder in the e-reverse auction.

13. Application and Selection Procedure for establishment of decentralized Solar Power Plants

Application Process

- i. List of 33/11 KV Sub Stations along with the available capacity for setting up of solar power plants under Component -A of PM KUSUM Scheme is provided as Annexure-II
- ii. All eligible applicants, in accordance to the substation details provided in Annexure-II, shall submit their relevant information in online portal of Telangana PM KUSUM www.pmkusum.telangana.gov.in
- iii. SPG will not be allowed to apply for more than one Solar Power Plant for a particular 33/11kV substation. The EOI of an SPG will also be disqualified if it is found that its proprietor/partner/director/member has also filed EOI as proprietor/partner/director/member for another SPG for the same substation.

**BEFORE THE HONOURABLE
TELANGANA STATE
ELECTRICITY
REGULATORY COMMISSION**

I.A. NO. 4 of 2026

IN

O.P. NO. 24 of 2020

**MEMO FILED ON BEHALF OF
OBJECTOR**

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Filed by:
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COUNSELS FOR PETITIONER

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