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संकल्प

विषय :– केन्द्र प्रायोजित मिशन सक्षम आँगनबाड़ी एवं पोषण 2.0 के तहत् पूरक पोषाहार कार्यक्रम (SNP) तथा किशोरी बालिकाओं के लिए योजना (SAG) अन्तर्गत लाभार्थियों को Take Home Ration (THR) स्वरूप Micronutrient Fortified Food and/or Energy Dense Food (MFEDF) के निर्बाध वितरण सुनिश्चित कराने के उद्देश्य से इन योजनाओं के तहत् एतद् सामग्रियों का वर्ष–2026 के फरवरी एवं मार्च महीने में इसके आपूर्त्तिकर्त्ताओं से प्राप्त आपूर्त्ति का विनियमन तथा छह (06) माह के लिए अथवा निविदा कार्य निष्पादनोपरांत कार्यादेश निर्गमण की तिथि तक (जो पहले घटित हो जाय) के लिए आपूर्त्ति इसके गत् निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ता से प्राप्त करने हेतु इन आपूर्त्तिकर्त्ताओं यथा मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल का झारखण्ड वित्त नियमावली के नियम–245 के तहत् नियम–235 को शिथिल करते हुए मनोनयन की स्वीकृति।

राष्ट्रीय खाद्य सुरक्षा अधिनियम, 2013 से आच्छादित तथा माननीय सर्वोच्च न्यायालय, नई दिल्ली के न्याय–निर्देश के अनुपालनों के तहत् केन्द्र प्रायोजित मिशन सक्षम आँगनबाड़ी एवं पोषण 2.0 अधीन कार्यान्वित पूरक पोषाहार कार्यक्रम अंतर्गत 06–36 माह के बच्चों, 06–72 माह के अतिकुपोषित बच्चों, गर्भवती महिलाओं एवं धातृ माताओं को Take Home Ration (THR) स्वरूप मशीनीकृत संसाधित Micronutrient Fortified Food and/or Energy Dense Food (MFEDF) आँगनबाड़ी केन्द्रों के माध्यम से उपलब्ध कराया जाना है।

2. विभागीय संकल्पांक–60, दिनांक–08.01.2021 के प्रावधानानुसार उक्त लाभार्थियों को वर्ष के 300 दिन Micronutrient Fortified Food and/or Energy Dense Food (MFEDF) स्वरूप शिशु आहार एवं पौष्टिक मीठा दलिया (06–36 माह के बच्चों एवं 06–72 माह के अतिकुपोषित बच्चों के लिए) तथा पौष्टिक नमकीन दलिया एवं पौष्टिक मीठा दलिया (गर्भवती महिलाओं एवं धातृ माताओं के लिए) आँगनबाड़ी केन्द्रों के माध्यम से उपलब्ध कराना प्रावधानित है।

3. उपर्युक्त के अलोक में विभागाधीन क्रेता समाज कल्याण निदेशालय, झारखण्ड के माध्यम से फरवरी, 2022 में निष्पादित निविदा एवं सम्पादित अनुबंध (तीन वर्ष के लिए) के आधार पर निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ता यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल से मशीनीकृत संसाधित उक्त पोषणाहार सामग्रियों का प्रावधानित दर के तहत् क्रय कर आँगनबाड़ी केन्द्रों तक आपूर्त्ति कराई गई है।

4. उल्लेखनीय है कि –

i. उक्त सम्पादित अनुबंध की अवधि जनवरी, 2025 तक निर्धारित रही जिसे विभागीय संकल्पांक–1502, दिनांक–21.05.2025 द्वारा दिनांक–31.05.2025 तक (03 माह के लिए) के लिए एवं पुनः विभागीय संकल्पांक–3940, दिनांक–26.12.2025 के माध्यम से 09 माह के लिए विस्तारित की गई।

ii. उक्त निर्णयों के दृष्टिगत् अनुबंध अवधि कुल 12 माह के लिए विस्तारित हुई जिसकी कालबद्धता जनवरी, 2026 होती है। तथापि इसके आलोक में आपूर्त्तिकर्त्ताओं से कुल छह माह के लिए ही MFEDF सामग्रियों की आपूर्त्ति प्राप्त कर आँगनबाड़ी केन्द्रों के माध्यम से लाभार्थियों के मध्य वितरण कराया जा सका है। एतद् अन्तिम वितरण की कार्रवाई मार्च, 2026 में कराई गई है।

iii. MFEDF प्राप्ति की अंतिम कार्रवाई के तहत् जुलाई, 2025 माह के नाम से निर्गत DI के आधार पर मार्च, 2026 में लाभार्थियों को पोषणाहार वितरण की कार्रवाई की गई है।

यह परिस्थिति प्रक्रियात्मक विलंब के कारण रही है जिसमें आपूर्त्तिकर्त्ता संस्थाओं को माहवार कार्यादेश/DI निर्गमण होना, एजेन्सियों द्वारा MFEDF सामग्री के निर्माण, इन सामग्रियों का चयनित LAB से जाँच कराते हुए जाँच प्रतिवेदन प्राप्त करना एवं इसकी समीक्षा उपरांत Supply Order निर्गमण एवं तदुपरांत सामग्रियों का आँगनबाड़ी केन्द्रों तक पहूँचाना एवं लाभार्थियों के मध्य वितरण कराना तथा इन अवधियों में विभिन्न राज्यादेशों/पत्रों के निर्गत होने और उनके अनुपालन में कार्रवाई करने की विभिन्न स्थितियाँ इत्यादि सन्निहित है। ऐसे में लाभार्थियों को निरंतर पोषाहार का वितरण जारी रखने के उद्देश्य से उपर्युक्त कार्रवाई की गई है।

उपर्युक्त परिस्थितियों के दृष्टिगत् विचारित आपूर्त्ति प्राप्ति में नौ (09) माह के Backlog की स्थिति बनी जो मार्च, 2026 में कार्य सम्पादनोपरांत छह (06) माह की बनी हुई है।

iv. उपर्युक्त के आधार पर यद्यपि योजनान्तर्गत MFEDF आपूर्त्ति प्राप्ति हेतु आपूर्त्तिकर्त्ताओं के साथ मूल अनुबंध 36 माह का तथा अवधि विस्तारित अनुबंध प्रथमतः 03 माह एवं पुनः 09 माह का अर्थात कुल 48 माह का अनुबंध निर्धारित रहा जिस काल में कुल 42 माह के लिए आपूर्त्ति प्राप्त की गई।

अन्तिम अनुबंध अवधि विस्तार दिनांक–26.12.2025 के राज्यादेश से प्राप्त हुई अतएव अवधि विस्तार संबंधी आदेश प्राप्त होने में समय लगने, आपूर्त्ति की Backlog स्थिति रहने और वितरण सुचारू रखने के लिए फरवरी, 2026 तथा मार्च, 2026 में क्रमशः जून, 2025 तथा जुलाई, 2025 माह आधारित निर्गत DI के आलोक में दो माह के लिए आपूर्त्तियाँ प्राप्त कर वितरण कराई गई तथापि इसके विरूद्ध भुगतान लंबित है। हालाँकि इसके उपरांत भी छह (06) माह के Backlog की स्थिति बनी हुई है।

v. उपर्युक्त कार्रवाईयाँ राष्ट्रीय खाद्य सुरक्षा अधिनियम 2013, महिला एवं बाल विकास मंत्रालय, भारत सरकार के अधिसूचनांक–766 (अ), दिनांक–12.09.2022 तथा माननीय सर्वोच्च न्यायालय, नई दिल्ली के न्याय–निर्देश के अनुपालन में और निहित्त उद्देश्यों के तहत् सम्पादित कराई गई है जिससे लाभार्थियों को निर्बाध पूरक पोषाहार की उपलब्धता सुनिश्चित हो।

vi. महिला एवं बाल विकास मंत्रालय, भारत सरकार द्वारा योजनान्तर्गत Cost Norms का अंतिम बार निर्धारण वर्ष–2017 में की गई थी एवं उनके द्वारा इसे वर्ष–2025–26 में

पुनः वृद्धि करना प्रस्तावित किया गया था तथा भारत सरकार द्वारा NFSA की Schedule-II में योजना के लाभार्थियों के वर्गों को 03 के स्थान पर 06 वर्गों में विभक्त करते हुए Micro & Macro Nutrients के सम्यक् मापदंड भी निर्धारित किये गये और इसके अनुपालन में विभाग द्वारा Recipe का निर्धारण भारत सरकार की संस्था National Institute of Food Technology Entrepreneurship and Management (NIFTEM) के माध्यम से तैयार कराने का प्रयास किया गया। हालाँकि NIFTEM द्वारा स्पष्ट किया गया कि भारत सरकार द्वारा निर्धारित किया गया पूरक पोषाहार के Micro & Macro Nutrients के मापदंड का शत्–प्रतिशत् अनुपालन पर Cost Norms में संवृद्धि आवश्यक है अन्यथा उक्त Schedule-II का अनुपालन संभव नहीं हो सकेगा।

इस संबंध में महिला एवं बाल विकास मंत्रालय, भारत सरकार से Cost Norms में वृद्धि हेतु विभागीय अधियाचना की गई है ताकि योजनान्तर्गत Schedule-II का अनुपालन में निविदा आमंत्रण, निष्पादन एवं आपूर्त्ति–वितरण की कार्रवाई की जा सके।

vii. योजनान्तर्गत अपेक्षित निविदा की कार्रवाई निष्पादित नहीं हो सकी है फलतः नये रूप में आपूर्त्तिकर्त्ताओं का चयन नहीं हो सका है। इस कारण आगामी समय में योजना के लाभार्थियों को पूरक पोषाहार का सुचारू वितरण जारी रखने हेतु व्यवस्था निर्माण विचारणीय है।

viii. केन्द्र प्रायोजित किशोरी बालिकाओं के लिए योजना (SAG) के तहत् 14–18 वर्ष की किशोरियों को MFEDF सामग्री उपलब्ध कराने हेतु विभागीय संकल्पांक–2309, दिनांक–29.07.2025 के माध्यम से इन सामग्रियों की आपूर्त्ति पूरक पोषाहार कार्यक्रम (SNP) के आपूर्त्तिकर्त्ताओं से प्राप्त करना प्रावधानित है अतएव इस योजनान्तर्गत पूरक पोषाहार का वितरण भी पूरक पोषाहार कार्यक्रम (SNP) के तहत् पूरक पोषाहार के वितरण के साथ ही संभव है।

5. ध्यातव्य हो कि राष्ट्रीय खाद्य सुरक्षा अधिनियम, 2013 से आच्छादित केन्द्र प्रायोजित पूरक पोषाहार कार्यक्रम के तहत् इसके लाभार्थियों को निर्बाध पोषणाहार का वितरण अपरिहार्य है तथा भारत सरकार द्वारा राज्य के लिए इस कार्यक्रम सहित SAG योजना के लिए स्वीकृत केन्द्रीय अंशदान की स–समय प्राप्ति एवं समुचित उपयोगिता के दृष्टिगत् योजनान्तर्गत पोषणाहार की निरंतर आपूर्त्ति प्राप्ति आवश्यक है। ऐसे में उपरोक्त विचारित निविदा में लगने वाले समय के दृष्टिगत् उपर्युक्त उल्लिखित आपूर्त्तिकर्त्ताओं से पूरक पोषाहार प्राप्त किया जाना अथवा इतर व्यवस्था निर्माण विचारणीय है।

चूँकि पूरक पोषाहार कार्यक्रम के तहत् गत् निर्माकर्त्ता–सह–आपूर्त्तिकर्त्ताओं यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल द्वारा आपूर्त्तित MFEDF सामग्रियाँ माननीय सर्वोच्च न्यायालय, नई दिल्ली के न्यायनिर्देशों (Automated Processed Food in Hygenic Condition), राष्ट्रीय खाद्य सुरक्षा अधिनियम 2013 और महिला एवं बाल विकास मंत्रालय, भारत सरकार के अधिसूचनांक–766 (अ), दिनांक–12.09.2022 के प्रावधानों (Energy Dense Food Supplementation) और भारत सरकार द्वारा वर्ष–2017 के निर्धारित व्यय दर के अनुपालन में तथा

वर्ष–2021–22 में निविदा के माध्यम से प्राप्त न्यूनतम निविदा दर पर उपलब्ध कराई जा रही है और इनके पास MFEDF निर्माण और आपूर्त्ति श्रृंखला की स्थापित व्यवस्था रहने के दृष्टिगत् नई निविदा निष्पादन होने तक अस्थायी वैकल्पिक व्यवस्था के तहत् इन आपूर्त्तिकर्त्ताओं से MFEDF सामग्रियाँ प्राप्त करना विचारण योग्य है।

क्रेता समाज कल्याण निदेशालय, झारखण्ड से विभाग को इस संदर्भ में अवगत कराया गया है कि क्रेता के साथ उक्त निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ता यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल के किये गये एकरारनामे की दर एवं शर्त्तों के अनुरूप आपूर्त्ति किये जाने की सहमति व्यक्त की गई है।

6. योजनान्तर्गत निविदा की कार्रवाई क्रेता निदेशक, समाज कल्याण, झारखण्ड के स्तर से होनी है तथापि उनके द्वारा एतद् निविदा निष्पादन में पाँच से छह माह की अवधि लगने की संभावना जतायी गई है। इस संबंध में महिला एवं बाल विकास मंत्रालय, भारत सरकार से Cost Norms की प्रतीक्षित संवृद्धि के विभागीय अधियाचना पर भारत सरकार का निर्णय पर निर्भर है ताकि NFSA के तहत् भारत सरकार द्वारा संशोधित Schedule-II के अनुपालन में कार्रवाई सुनिश्चित हो सके।

7. वर्णित परिप्रेक्ष्य में सम्यक् विचारोपरांत पूरक पोषाहार कार्यक्रम (SNP) तथा किशोरी बालिकाओं के लिए योजना (SAG) के तहत् लाभार्थियों को पोषणाहार के निर्बाध वितरण सुनिश्चित कराने के उद्देश्यों के तहत् की गई कार्रवाई एवं भविष्य में की जाने वाले कार्रवाई निमित्त निम्नवत् स्वीकृति प्रदान की जाती है –

क) पूरक पोषाहार कार्यक्रम एवं किशोरी बालिकाओं के लिए योजनाओं अन्तर्गत फरवरी, 2026 एवं मार्च, 2026 में तदेन निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ता यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल से MFEDF सामग्री प्राप्त कर लाभार्थियों के मध्य कराये गये वितरण कार्य को विनियमित करने की स्वीकृति दी जाती है।

ख) पूरक पोषाहार कार्यक्रम (SNP) के MFEDF के गत् निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ताओं से छह (06) माह के लिए अथवा निविदा कार्य निष्पादनोपरांत कार्यादेश निर्गमण की तिथि तक (जो पहले घटित हो जाय) के लिए उक्त दोनों योजनाओं के लाभार्थियों के लिए MFEDF प्राप्त करने हेतु इन आपूर्त्तिकर्त्ताओं यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल का झारखण्ड वित्त नियमावली के नियम–245 के तहत् नियम–235 को शिथिल करते हुए मनोनयन की स्वीकृति दी जाती है।

एतद् मनोनयन हेतु उक्त निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ताओं के साथ क्रेता समाज कल्याण, झारखण्ड के मध्य सम्पादित होने वाले अनुबंध ज्ञापन (MoU) पर स्वीकृति दी जाती है। (परिशिष्ट–I)

प्रशासी विभाग द्वारा छह माह के स्वीकृत इस विस्तारित अवधि में खुली निविदा के माध्यम से SAG एवं SNP हेतु आपूर्त्तिकर्त्ता का चयन कर कार्यादेश निर्गत करना सुनिश्चित किया जायेगा।

8. उक्त मनोनयन के तहत् निर्माणकर्त्ताओं–सह–आपूर्त्तिकर्त्ताओं से पूरक पोषाहार कार्यक्रम (SNP) के साथ–साथ किशोरी बालिकाओं के लिए योजना (SAG) हेतु भी उक्त अवधि में MFEDF सामग्री प्राप्त कर लाभार्थियों के मध्य वितरीत कराया जायेगा।

9. एतद् प्रावधान संकल्प निर्गत होने की तिथि से प्रभावी होंगे। एतद् संबंधी पूर्व के आदेश इस हद तक संशोधित होंगे।

10. उपर्युक्त पर वित्त विभाग, झारखण्ड की निम्न शर्त्तों सहित सहमति प्राप्त है –

उपरोक्त तथ्यों के आलोक में प्रशासी विभाग के केन्द्र प्रायोजित मिशन सक्षम आँगनबाड़ी एवं पोषण 2.0 के तहत् पूरक पोषाहार कार्यक्रम (SNP) तथा किशोरी बालिकाओं के लिए योजना (SAG) अन्तर्गत लाभार्थियों को Take Home Ration (THR) Micronutrient Fortified Food and/or Energy Dense Food (MFEDF) के निर्बाध वितरण सुनिश्चित कराने के उद्देश्य से –

i. इन योजनाओं के तहत् एतद् सामग्रियों का वर्ष–2026 के फरवरी एवं मार्च महीने में इसके आपूर्त्तिकर्त्ताओं से प्राप्त आपूर्त्ति का विनियमन–घटनोत्तर स्वीकृति का मामला है, इसपर वित्त विभाग द्वारा सहमति नहीं दी जाती है। प्रशासी विभाग सीधे मंत्रिपरिषद् के समक्ष प्रस्ताव ले जा सकता है।

ii. प्रशासी विभाग के छह (06) माह के लिए अथवा निविदा कार्य निष्पादनोपरांत कार्यादेश निर्गमण की तिथि तक (जो पहले घटित हो जाय) के लिए इसके गत् निर्माणकर्त्ता–सह–आपूर्त्तिकर्त्ता से प्राप्त करने हेतु इन आपूर्त्तिकर्त्ताओं यथा–मेसर्स इंटरलिंक फूड्स प्रा०लि०, मेसर्स आदित्य फ्लॉर मिल एवं मेसर्स कोटा दाल मिल का झारखण्ड वित्त नियमावली के नियम–245 के तहत् नियम–235 को शिथिल करते हुए मनोनयन की स्वीकृति से संबंधित प्रस्ताव एवं तत्संबंधी संलेख प्रारूप पर इस शर्त्त के साथ सहमति प्रदान की जा सकती है कि प्रशासी विभाग छह माह की विस्तारित अवधि में खुली निविदा के माध्यम से SAG एवं SNP हेतु आपूर्त्तिकर्त्ता का चयन कर कार्यादेश निर्गत करना सुनिश्चित करेगा।

11. तद् पर राज्य मंत्रिपरिषद् की दिनांक–21.07.2026 को सम्पन्न बैठक की मद संख्या–30 के रूप में स्वीकृति प्रदान की गई है।

अनुलग्नक :– यथोपरि।

24/07/26

(उमा शंकर सिंह)
सरकार के सचिव

ज्ञापांक : – 07 / म०स० / पू०पो०आ०–471 / 2024– 2546 **राँची, दिनांक :–**

प्रतिलिपि :– नोडल पदाधिकारी, ई० गजट को राजपत्र में प्रकाशित करने हेतु अनुलग्नक सहित प्रेषित।

अनुलग्नक :– यथोपरि।

24/07/26

सरकार के सचिव

ज्ञापांक :– 07/म०स०/पू०पो०आ०–471/2024– 2546 राँची, दिनांक :– 24-07-2026

प्रतिलिपि :– महालेखाकार, झारखण्ड, राँची/मुख्य सचिव, झारखण्ड/माननीय विभागीय (मुख्य) मंत्री के अपर मुख्य सचिव/सभी अपर मुख्य सचिव/प्रधान सचिव/सचिव/सभी विभागाध्यक्ष, झाखण्ड, राँची/निदेशक, समाज कल्याण, झारखण्ड, राँची/महानिदेशक, झारखण्ड राज्य पोषण मिशन, राँची/वेब मैनेजर, विभागीय वेब कोषांग, झारखण्ड/सभी उपायुक्त, झारखण्ड/सभी उप विकास आयुक्त, झारखण्ड/सभी कोषागार पदाधिकारी, झारखण्ड/सभी जिला समाज कल्याण पदाधिकारी, झारखण्ड को अनुलग्नक सहित सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

अनुलग्नक :– यथोपरि।

24/07/26

सरकार के सचिव

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Vetted

MEMORANDUM OF UNDERSTANDING (MoU)

(For Supply of Micronutrient Fortified and Energy Dense Food – MFEDF)

Memo No.: _____ / WCDSS, Government of Jharkhand
File No.: _____
Date: _____

THIS MEMORANDUM OF UNDERSTANDING

is executed on this ___ day of _____, *20*

BETWEEN

Director, Social Welfare, Department of Women, Child Development and Social Security (Name of Purchaser) of Jharkhand hereinafter called the "Purchaser"

AND

M/s _____, a firm/company duly registered under applicable laws, having its registered office at _____ and a qualified/selected Supplier through successful Tender No.- Pro 01/2021-22 Dated- 17.11.2021 and a party of contract order Dated – 7th February 2022 signed with Director, Social Welfare, Government of Jharkhand.(hereinafter referred to as the **"Supplier"**)

1. PREAMBLE

WHEREAS:

1. The Department is implementing:
    - **Supplementary Nutrition Programme (SNP) & Scheme for Adolescent Girls (SAG)** under **Centrally Sponsored Scheme Mission (CSS) Saksham Anganwadi & POSHAN 2.0**

2. The programme covers:
    - Children (06 month – 06 years)
    - Pregnant Women (PW)
    - Lactating Mothers (LM)
    - Adolescent Girls (14 –18 years) under convergence with SAG framework Sankalp No.-2309 dated 29.07.2025 in continuation of Sankalp no. 2148 , dated 31.07.2023

2. OBJECTIVE

To ensure **regular, quality-assured, nutritionally compliant supply** of MFEDF to eligible beneficiaries across the State of Jharkhand.

3. APPLICABLE GUIDELINES & GOVERNING FRAMEWORK

This MoU shall be governed by:

- **MWCD, Government of India guidelines under Mission Saksham Anganwadi & POSHAN 2.0 (for SNP & SAG)**
- Directions issued by Ministry of Women and Child Development, Government of India.
- Standards prescribed by Food Safety and Standards Authority of India.
- Jharkhand State SNP and SAG guidelines vide:
    - Circular No/Sankalp No. 05/म0/स0/पूर0 पोषा0 -THR -229 /2017 (खण्ड-I)-60 dated 08.01.2021
    - Circular No/Sankalp No. Sankalp No.-2309 dated 29.07.2025 in continuation of Sankalp no. 2148 , dated 31.07.2023
    - Terms and conditions of RFP Section i-Section v including Annexure 1 to Annexure ix of RFP Pro 01/2021-22, dated 17.11.2021

4. SCOPE OF WORK

The Supplier shall:

1. Manufacture MFEDF as per approved formulations.
2. Ensure fortification with essential micronutrients .
3. Supply of MFEDF as per issuance of Delivery Instructions and Supply Order to:

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- AWCs within time frame.

4. Maintain uninterrupted supply chain .
5. Comply with monthly indent (Delivery Instructions and Supply Order) issued by Purchaser.

5. BENEFICIARY COVERAGE

5.1 Children (6 months to 6 years)

- THR / MFEDF food
- Category-specific supplementary nutrition meeting prescribed nutritional norms.

5.2 Pregnant Women & Lactating Mothers

- Supplementary nutrition meeting prescribed nutritional norms.

5.3 Adolescent Girls (14 –18 years)

(As per SAG convergence, Sankalp no. 2309 dated 29.07.2025 in continuation of Sankalp no. 2148 Dated- 31.07.2023 *)*

- Nutritional supplementation including:
  - Protein-energy support
  - Iron & micronutrient fortification
- Coverage includes:
  - All adolescent girls (Age 14-18 years) in AWC coverage areas.
  - Eligible beneficiaries as identified by Department

6. TECHNICAL SPECIFICATIONS

6.1 General Product Requirements

The Micronutrient Fortified and/or Energy Dense Food (MFEDF) to be supplied under this MoU shall:

1. Be **safe, wholesome, and fit for human consumption.**
2. Be manufactured using **good quality raw materials** conforming to Food Safety standards.
3. Be **free from adulteration, infestation, rancidity, fungal contamination, and foreign matter.**

4. Be suitable for **Take Home Ration (THR) / Ready-to-Eat (RTE)** consumption as per programme design .

6.2 PRODUCT SPECIFICATIONS AND MANUFACTURING INSTRUCTIONS FOR MFEDF

6.2.1 Supply Matrix and Distribution Schedule

a. Monthly Supply Pattern

The Supplier shall supply Micronutrient Fortified and Energy Dense Food (MFEDF) as per the following approved matrix:

Table – 1 (Applicable for months like May, July, September, November……)

Sl. No.	Category of Beneficiary	Type of Item	Serving Size (g)	Days/Month	Quantity per Month (g)
1	Children (6 months to 3 years)	Shishu Aahaar	110	13	1430
		Poushtik Meetha Dalia	115	12	1380
2	Pregnant Women	Poushtik Namkeen Dalia	140	13	1820
		Poushtik Meetha Dalia	135	12	1620
3	Lactating Mothers	Poushtik Namkeen Dalia	140	13	1820
		Poushtik Meetha Dalia	135	12	1620
4	SAM Children (6 months to 6 years)	Shishu Aahaar	180	13	2340
		Poushtik Meetha Dalia	180	12	2160
5	Adolescent Girls (14-18 Years)	Poushtik Namkeen Dalia	140	13	1820
		Poushtik Meetha Dalia	135	12	1620

Table – 2 (Applicable for months like April, June, August, October, December…...)

Sl. No.	Category of Beneficiary	Type of Item	Serving Size (g)	Days/Month	Quantity per Month (g)
1	Children (6 months to 3 years)	Shishu Aahaar	110	12	1320
		Poushtik Meetha Dalia	115	13	1495
2	Pregnant Women	Poushtik Namkeen Dalia	140	12	1680
		Poushtik Meetha Dalia	135	13	1755
3	Lactating Mothers	Poushtik Namkeen Dalia	140	12	1680
		Poushtik Meetha Dalia	135	13	1755
4	SAM Children (6 months to 6 years)	Shishu Aahaar	180	12	2160
		Poushtik Meetha Dalia	180	13	2340
5	Adolescent Girls (14-18 years)	Poushtik Namkeen Dalia	140	12	1680
		Poushtik Meetha Dalia	135	13	1755

6.2.2 Half yearly Feeding Compliance

The Supplier shall ensure that:

- A total of **75 meals of each approved recipe** are supplied to each beneficiary half yearly.
- The distribution pattern shall strictly follow the above monthly alternation schedule.

6.2.3 Product Variation and Flexibility

- The Department reserves the right to:
  - **Modify, revise, or replace recipes/formulations**
  - Based on:
    - Nutritional requirements
    - Acceptability among beneficiaries
- The Supplier shall be bound to implement such changes without delay.

6.2.4 Product Specification and composition of MFEDF

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1. Category: Children (Age 6 months to 3 Years), Product: Shishu Aahar and Meetha Dalia

Shishu Aahar

The composition of *Shishu Aahaar* shall be as specified below. The Supplier shall strictly adhere to the prescribed ingredient proportions, nutritional values, and process loss limits:

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g per 100g)	Energy (Kcal per 100g)
1	Processed Wheat Flour	35.00	12.30	4.64	136.00
2	Sugar Powder	25.00	1.00	0.03	100.50
3	Edible Vegetable Oil	10.00	1.00	0.00	90.90
4	Whole Milk Powder	9.00	1.00	2.35	45.09
5	Processed Soya Flour	9.00	6.10	4.13	41.25
6	Processed Bengal Gram Flour	6.00	13.00	1.15	24.41
7	Processed Ragi Flour	5.00	6.50	0.39	17.47
8	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

1.2. Micronutrient Fortification for Shishu Aahaar

The Micronutrient (Vitamins and Minerals) content for fortification of *Shishu Aahaar* shall be as specified below. The Supplier shall ensure uniform fortification through an automated blending system and strict adherence to the prescribed levels.

A. Micronutrient Composition

Sl. No.	Micronutrient	Per 100 g	Per Serve (110 g)
1	Calcium (mg)	182.00	200.00
2	Iron (mg)	5.45	6.00
3	Vitamin A (µg)	182.00	200.00
4	Thiamin (mg)	0.27	0.30
5	Riboflavin (mg)	0.32	0.35
6	Niacin (mg)	3.65	4.00
7	Vitamin C (mg)	13.65	15.00
8	Free Folic Acid (µg)	13.65	15.00

B . Nutritive Value

- Serve Size: 110 g
- Energy : 500 Kcal
- Protein : 13 g

C. Flour Characteristics

- Uniform fine texture
- 75% passing through **600 micron sieve**
- 100% passing through **1000 micron sieve**

D. Shelf Life

- Minimum **3 months from date of manufacture**
- Subject to proper packaging, dry storage, and ambient conditions

E. Product Specifications

Parameter	Requirement
Taste	Sweet
Form	Powder
Moisture	≤ 5%
Crude Fiber	≤ 1.5%

F. Manufacturing Process

- Raw materials (Wheat, Bengal Gram, Soyabean, Ragi) shall be :
  - Clean, safe, and free from contaminants, infestation, and foreign matter
- Process flow:
  1. Cleaning and removal of impurities
  2. Pulverization and sieving for uniform granularity
  3. Roasting/cooking and cooling
  4. Mixing in prescribed proportions
  5. Packing using automatic FFS machine
- Extrusion technology may also be used, if compliant.

G. Mode of Consumption

- Gruel: 1 part product : 4 parts water
- Halwa : 1 part product : 2 parts water
- Daily intake: **110 g in 2–3 servings**

H. Analytical Requirements

Tests & Standards

Parameter	Requirement
Energy	455 Kcal/100g (±5%)
Protein	12.5 g/100g (±5%)
Moisture	≤ 5%

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Crude Fiber	≤ 1.5%
Sieve Test	75% (600 micron), 100% (1000 micron)
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent (0.1 g)
Coliform	Absent (0.1 g)
E. coli	Absent (0.1 g)
S. aureus	Absent (0.1 g)
Salmonella/Shigella	Absent (25 g)

I. Micronutrient Requirement

- Vitamins & minerals shall be added at prescribed levels and monitored during manufacturing
- Permissible variation: **±10% for micronutrients (Calcium & Iron as indicators)**

- Variation allowed due to:
  - Product nature
  - Processing conditions
  - Storage and transportation factors

Meetha Dalia

A. Composition

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g/100g)	Energy (Kcal/100g)
1	Processed Wheat Dalia	38.00	12.30	5.04	147.65
2	Sugar	25.00	1.00	0.03	100.50
3	Processed Soya Grit	13.00	6.10	5.96	59.59
4	Edible Vegetable Oil	8.00	1.00	0.00	72.72
5	Whole Milk Powder	10.00	1.00	2.61	50.10
6	Processed Ragi Flour	5.00	6.50	0.39	17.47
7	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

B. Micronutrient Fortification

- Vitamins & minerals shall be added at prescribed levels using approved premix.
- Fortification shall be uniformly ensured through controlled blending.

Sl. No.	Micronutrient	Per 100 g	Per Serve (115 g)
1	Calcium (mg)	175.00	200.00
2	Iron (mg)	5.25	6.00
3	Vitamin A (µg)	175.00	200.00

4	Thiamin (mg)	0.26	0.30
5	Riboflavin (mg)	0.30	0.35
6	Niacin (mg)	3.50	4.00
7	Vitamin C (mg)	13.04	15.00
8	Free Folic Acid (µg)	13.04	15.00

C. Nutritive Value

Parameter	Value
Serving Size	115 g
Energy	515 Kcal
Protein	15 g

D. Flour Characteristics

- Uniform granular texture
- 95% passing through **1700 micron sieve**
- 100% passing through **1800 micron sieve**

E. Shelf Life

- Minimum **3 months from date of manufacture**
- Subject to proper packaging and dry ambient storage

F. Product Specifications

Parameter	Requirement
Taste	Sweet
Texture	Granular
Moisture	≤ 5%
Crude Fiber	≤ 1.5%

G. Manufacturing Process

- Raw materials (Wheat, Soybean, Ragi) shall be:
  - Clean, safe, and free from contamination, infestation, and foreign matter
- Process flow:
  1. Cleaning and removal of impurities
  2. Pulverization and sieving for uniform granularity
  3. Roasting/cooking and cooling
  4. Mixing in prescribed proportions
  5. Packing using automatic FFS machine
- Extrusion technology may also be used, if compliant

H. Mode of Consumption

- Mix **1 part product with 3 parts water**
- Cook for **5–7 minutes on low flame with continuous stirring**
- Recommended intake: **115 g/day in 2–3 servings**

I. Analytical Requirements

Tests & Standards

Parameter	Requirement
Energy	448 Kcal/100g (±5%)
Protein	14 g/100g (±5%)
Moisture	≤ 5%
Crude Fiber	≤ 1.5%
Sieve Test	95% (1700 micron), 100% (1800 micron)
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent (0.1 g)
Coliform	Absent (0.1 g)
E. coli	Absent (0.1 g)
S. aureus	Absent (0.1 g)
Salmonella/Shigella	Absent (25 g)

J. Micronutrient Standards

- Vitamins & minerals shall be added and monitored at manufacturing stage
- Permissible variation: **±10% (Calcium & Iron as indicator elements)**

- Variation allowed due to:
  - Product nature (granular form)
  - Processing conditions
  - Storage and transportation factors

2. Category: Pregnant Women, Product: Poushtik Namkeen Dalia and Poushtik Meetha Dalia

Poushtik Namkeen Dalia

A. Composition

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g/100g)	Energy (Kcal/100g)
1	Processed Wheat Dalia	41.00	12.30	5.43	159.31

2	Tur Dal	13.00	13.00	3.28	49.21
3	Edible Vegetable Oil	13.00	1.00	0.00	118.17
4	Processed Groundnut	8.00	10.50	2.02	45.36
5	Soya Grit	7.00	6.10	3.21	32.08
6	Sugar	7.00	1.00	0.01	28.14
7	Dehydrated Vegetable Mix	5.00	0.50	0.00	0.00
8	Spice Mix	5.00	0.50	0.00	0.00
9	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

B. Micronutrient Fortification

- Vitamins & minerals shall be added at prescribed levels using approved premix
- Uniform blending shall be ensured through controlled/automated process

Sl. No.	Micronutrient	Per 100 g	Per Serve (140 g)
1	Calcium (mg)	358.00	500.00
2	Iron (mg)	13.57	19.00
3	Vitamin A (µg)	214.28	300.00
4	Thiamin (mg)	0.39	0.55
5	Riboflavin (mg)	0.46	0.65
6	Niacin (mg)	5.00	7.00
7	Vitamin C (mg)	14.30	20.00
8	Free Folic Acid (µg)	142.85	200.00

C. Nutritive Value

Parameter	Value
Serving Size	140 g
Energy	605 Kcal
Protein	19 g

D. Flour Characteristics

- Uniform granular texture
- 95% passing through **1700 micron sieve**
- 100% passing through **1800 micron sieve**

E. Shelf Life

- Minimum **3 months from date of manufacture**
- Subject to proper packaging and dry ambient storage

F. Product Specifications

Parameter	Requirement
Taste	Sweet & Salty
Texture	Granular
Moisture	≤ 5%
Crude Fiber	≤ 1.5%

G. Manufacturing Process

- Raw materials (Wheat, Soybean, Tur Dal, Groundnut) shall be:
  - Clean, safe, and free from contamination, infestation, and foreign matter
- Process flow:
  1. Cleaning and removal of impurities
  2. Pulverization and sieving for uniform granularity
  3. Roasting/cooking and cooling
  4. Mixing in prescribed proportions
  5. Packing using automatic FFS machine
- Extrusion technology may also be used, if compliant

H. Method of Preparation / Consumption

- Mix **1 part product with 3 parts water**
- Cook for **5–7 minutes on low flame with continuous stirring**
- Recommended intake: **140 g/day in 2–3 servings**

I. Analytical Requirements

A. Tests & Standards

Parameter	Requirement
Energy	432.27 Kcal/100g (±5%)
Protein	13.95 g/100g (±5%)
Moisture	≤ 5%
Crude Fiber	≤ 1.5%
Sieve Test	95% (1700 micron), 100% (1800 micron)
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent (0.1 g)
Coliform	Absent (0.1 g)
E. coli	Absent (0.1 g)
S. aureus	Absent (0.1 g)

Salmonella/Shigella	Absent (25 g)

B. Micronutrient Standards

- Vitamins & minerals shall be added and monitored at manufacturing stage
- Permissible variation: **±10% (Calcium & Iron as indicator elements)**

- Variation allowed due to:
  - Product nature (granular form)
  - Processing conditions
  - Storage and transportation factors

Pregnant Women : Poushtik Meetha Dalia

A. Composition

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g/100g)	Energy (Kcal/100g)
1	Processed Wheat Dalia	38.00	12.30	5.04	147.65
2	Sugar	25.00	1.00	0.03	100.50
3	Processed Soya Grit	13.00	6.10	5.96	59.59
4	Edible Vegetable Oil	8.00	1.00	0.00	72.72
5	Whole Milk Powder	10.00	1.00	2.61	50.10
6	Processed Ragi Flour	5.00	6.50	0.39	17.47
7	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

B. Micronutrient Fortification

- Vitamins & minerals shall be added at prescribed levels using approved premix
- Uniform blending shall be ensured through controlled/automated systems

Sl. No.	Micronutrient	Per 100 g	Per Serve (135 g)
1	Calcium (mg)	370.00	500.00
2	Iron (mg)	14.07	19.00
3	Vitamin A (µg)	222.22	300.00
4	Thiamin (mg)	0.40	0.55
5	Riboflavin (mg)	0.48	0.65
6	Niacin (mg)	5.20	7.00
7	Vitamin C (mg)	14.80	20.00

8	Free Folic Acid (µg)	148.15	200.00

C. Nutritive Value

Parameter	Value
Serving Size	135 g
Energy	604 Kcal
Protein	18.5 g

D. Flour Characteristics

- Uniform granular texture
- 95% passing through **1700 micron sieve**
- 100% passing through **1800 micron sieve**

E. Shelf Life

- Minimum **3 months from date of manufacture**
- Subject to proper packaging and dry ambient storage

F. Product Specifications

Parameter	Requirement
Taste	Sweet
Texture	Granular
Moisture	≤ 5%
Crude Fiber	≤ 1.5%

G. Manufacturing Process

- Raw materials (Wheat, Soybean, Ragi) shall be:
  - Clean, safe, and free from contamination, infestation, and foreign matter
- Process flow:
  1. Cleaning and removal of impurities
  2. Pulverization and sieving for uniform granularity
  3. Roasting/cooking and cooling
  4. Mixing in prescribed proportions
  5. Packing using automatic FFS machine
- Extrusion technology may also be used, if compliant

H. Mode of Consumption

- Mix **1 part product with 3 parts water**
- Cook for **5–7 minutes on low flame with continuous stirring**
- Recommended intake: **135 g/day in 2–3 servings**

I. Analytical Requirements

A. Tests & Standards

Parameter	Requirement
Energy	448 Kcal/100g (±5%)
Protein	14 g/100g (±5%)
Moisture	≤ 5%
Crude Fiber	≤ 1.5%
Sieve Test	95% (1700 micron), 100% (1800 micron)
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent (0.1 g)
Coliform	Absent (0.1 g)
E. coli	Absent (0.1 g)
S. aureus	Absent (0.1 g)
Salmonella/Shigella	Absent (25 g)

B. Micronutrient Standards

- Vitamins & minerals shall be added and monitored at manufacturing stage
- Permissible variation: **±10% (Calcium & Iron as indicator elements)**

- Variation allowed due to:
  - Product nature (granular form)
  - Processing conditions
  - Storage and transportation factors

3. Category: Lactating Mother and Adolescent Girls (14-18 Years) : Poushtik Namkeen Dalia and Poushtik Meetha Dalia

Poushtik Namkeen Dalia

A. Composition

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g/100g)	Energy (Kcal/100g)
1	Processed Wheat Dalia	41.00	12.30	5.43	159.31

2	Tur Dal	13.00	13.00	3.28	49.21
3	Edible Vegetable Oil	13.00	1.00	0.00	118.17
4	Processed Groundnut	8.00	10.50	2.02	45.36
5	Soya Grit	7.00	6.10	3.21	32.08
6	Sugar	7.00	1.00	0.01	28.14
7	Dehydrated Vegetable Mix	5.00	0.50	0.00	0.00
8	Spice Mix	5.00	0.50	0.00	0.00
9	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

B. Micronutrient Fortification

- Vitamins & minerals shall be added at prescribed levels using approved premix
- Uniform blending shall be ensured through controlled/automated systems
- Permissible variation: **±10% (Calcium & Iron as indicator elements)**

Sl. No.	Micronutrient	Per 100 g	Per Serve (140 g)
1	Calcium (mg)	357.00	500.00
2	Iron (mg)	10.71	15.00
3	Vitamin A (µg)	339.28	475.00
4	Thiamin (mg)	0.43	0.60
5	Riboflavin (mg)	0.50	0.70
6	Niacin (mg)	5.71	8.00
7	Vitamin C (mg)	28.57	40.00
8	Free Folic Acid (µg)	53.57	75.00

C. Nutritive Value

Parameter	Value
Serving Size	140 g
Energy	605 Kcal
Protein	19 g

D. Flour Characteristics

- Uniform granular texture
- 95% passing through **1700 micron sieve**
- 100% passing through **1800 micron sieve**

E. Shelf Life

- Minimum **3 months from date of manufacture**
- Subject to proper packaging and dry ambient storage

F. Product Specifications

Parameter	Requirement
Taste	Sweet & Salty
Texture	Granular
Moisture	≤ 5%
Crude Fiber	≤ 1.5%

G. Manufacturing Process

- Raw materials (Wheat, Soybean, Tur Dal, Groundnut) shall be:
  - Clean, safe, and free from contamination, infestation, and foreign matter
- Process flow:
  1. Cleaning and removal of impurities
  2. Pulverization and sieving for uniform granularity
  3. Roasting/cooking and cooling
  4. Mixing in prescribed proportions
  5. Packing using automatic FFS machine
- Extrusion technology may also be used, if compliant

H. Method of Preparation / Consumption

- Mix **1 part product with 3 parts water**
- Cook for **5–7 minutes on low flame with continuous stirring**
- Recommended intake: **140 g/day in 2–3 servings**

I. Analytical Requirements

A. Tests & Standards

Parameter	Requirement
Energy	432.27 Kcal/100g (±5%)
Protein	13.95 g/100g (±5%)
Moisture	≤ 5%
Crude Fiber	≤ 1.5%
Sieve Test	95% (1700 micron), 100% (1800 micron)
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent (0.1 g)
Coliform	Absent (0.1 g)

E. coli	Absent (0.1 g)
S. aureus	Absent (0.1 g)
Salmonella/Shigella	Absent (25 g)

B. Micronutrient Standards

- Vitamins & minerals shall be added and monitored at manufacturing stage
- Variation up to **±10%** allowed due to:
  - Product nature
  - Processing conditions
  - Storage and transportation

Poushtik Meetha Dalia

A. Composition

Sl. No.	Ingredient	Composition (%)	Process Loss (%)	Protein (g/100g)	Energy (Kcal/100g)
1	Processed Wheat Dalia	38.00	12.30	5.04	147.65
2	Sugar	25.00	1.00	0.03	100.50
3	Processed Soya Grit	13.00	6.10	5.96	59.59
4	Edible Vegetable Oil	8.00	1.00	0.00	72.72
5	Whole Milk Powder	10.00	1.00	2.61	50.10
6	Processed Ragi Flour	5.00	6.50	0.39	17.47
7	Vitamin & Mineral Premix	1.00	0.00	0.00	0.00

B. Micronutrient Fortification

The product shall be fortified with vitamins and minerals as per prescribed standards.

Micronutrient	Per 100 g	Per Serve (135 g)
Calcium (mg)	370.00	500.00
Iron (mg)	14.07	19.00
Vitamin A (µg)	222.22	300.00
Thiamin (mg)	0.40	0.55
Riboflavin (mg)	0.48	0.65
Niacin (mg)	5.20	7.00
Vitamin C (mg)	14.80	20.00
Free Folic Acid (µg)	148.15	200.00

Compliance Conditions:

- Fortification through standardized Vitamin & Mineral premix
- Uniform blending using automated systems
- Stability across storage, transport, and processing
- Permissible variation: **±10% (Calcium & Iron as indicator nutrients)**
- Compliance with standards of Food Safety and Standards Authority of India

C. Nutritive Value (Per Serve)

- Serve Size: **135 g**
- Energy: **604 Kcal**
- Protein: **18.5 g**

D. Flour Characteristics

- 95% shall pass through **1700 micron sieve**
- 100% shall pass through **1800 micron sieve**

E. Shelf Life

- Minimum **3 months** from date of manufacture
- To be maintained under dry, ambient storage conditions

F. Product Specifications

- Taste: Sweet
- Texture: Granular
- Moisture: ≤ 5%
- Crude Fiber: ≤ 1.5%

G. Manufacturing Process

- Raw materials (wheat, soya, ragi) shall be:
  - Cleaned to remove dust, stones, metals, and contaminants
  - Pulverized and sieved for uniform granularity
  - Roasted/cooked and cooled
- Ingredients mixed in defined proportions using mixer/conveyor systems
- Final product packed through **automatic Form-Fill-Seal machines**
- Manufacturing may also be carried out using **extrusion technology**

H. Mode of Consumption

- Mix **1 part product with 3 parts boiled water**
- Cook for **5–7 minutes** with continuous stirring
- Recommended consumption: **135 g per day in 2–3 servings**

I. Analytical Requirements

(a) Test Standards

Parameter	Requirement
Energy	448 Kcal/100g ±5%
Protein	14 g/100g ±5%
Crude Fiber	≤ 1.5%
Moisture	≤ 5%
Particle Size	As per sieve standards above
Total Plate Count	≤ 10,000/g
Yeast & Mould	Absent in 0.1 g
Coliform	Absent in 0.1 g
E. coli	Absent in 0.1 g
S. aureus	Absent in 0.1 g
Salmonella & Shigella	Absent in 25 g

(b) Micronutrient Tolerance

- Variation allowed: **±10%**
- Calcium & Iron to be treated as **indicator nutrients**
- Variation justified due to:
  - Processing conditions
  - Temperature & humidity
  - Storage & transportation

6.2.4. Shelf Life and Product Stability

1. The Micronutrient Fortified and/or Energy Dense Food (MFEDF) supplied under this MoU shall have a **minimum shelf life of three (03) months** from the date of manufacture.
2. The Supplier shall submit a **written undertaking/certificate** at the time of supply confirming that:
   - The shelf life of the supplied MFEDF is not less than **three (03) months from the date of manufacture**.
3. The Purchaser reserves the right to:
   - Reject any consignment not complying with the prescribed shelf life
   - Impose penalties as per the terms of this MoU

7. ESTIMATED QUANTITY AND SUPPLY OBLIGATION

7.1 Estimated Requirement

1. The estimated requirement of **Micronutrient Fortified and/or Energy Dense Food (MFEDF)** under this MoU is approximately: **7156.11 Metric Tonnes (MT) per month.**

2. The above quantity is **indicative only** and shall be subject to variation based on:
    - Actual number of beneficiaries registered under the **Poshan Tracker**
    - Additions or deletions in beneficiary database
    - Policy decisions and programme requirements of the Government
3. The **final requirement shall be determined on the basis of real-time beneficiary data** captured in the Poshan Tracker and in compliance with MWCD's Guidelines viz letter number CD-I-24/2/2021-US(e-90701), dated 13th January 2021 and is reflected in the **Monthly Delivery Instructions (DI)** issued by the Purchaser.
4. The Supplier shall be bound to:
    - Manufacture and supply MFEDF strictly as per the quantity specified in the DI
    - Adjust production in accordance with fluctuations in beneficiaries numbers
5. No claim shall lie against the Purchaser for :
    - Increase or decrease in quantity arising due to variation in beneficiary data or policy decisions.

7.2 Delivery Instructions (DI)

1. The Purchaser i.e. **Directorate of Social Welfare, Government of Jharkhand** shall issue **Monthly Delivery Instructions (DI)** specifying:
    - Item-wise quantity
    - Delivery locations
2. The Supplier shall be **mandatorily bound** to:
    - Manufacture and supply MFEDF strictly as per the DI

8. PROCUREMENT OF RAW MATERIAL

8.1 Responsibility of Supplier

- The Supplier shall be responsible for :
    - Procurement of all raw materials required for manufacturing MFEDF

8.2 Supply of Wheat by Government

1. Wheat shall be allotted to the Supplier :
    - At **subsidized rates fixed by Government of India**
    - Subject to availability under:
        - **WBNP / NFSA and SAG schemes**
2. Allocation shall be:
    - As per approved recipe
    - Including permissible processing loss

8.3 Shortfall / Non-Allocation of Wheat

1. In case of:
    - Non-allocation or short allocation of wheat
2. The Supplier shall:
    - Purchase required wheat and wheat shall be reimbursed to the supplier as and when the same is received from Government of India under WBNP/NFSA/SAG .

9. DELIVERY MECHANISM AND TIMELINES

9.1 Issuance of Delivery Instructions

- Monthly DI shall be issued **at least 7 days prior to commencement of the month.**

9.2 Delivery Timeline

The Supplier shall ensure delivery of MFEDF:

- **Within 21 days** from the date of issuance of DI .
- To **all Anganwadi Centres (AWCs)** as specified by the Purchaser.

9.3 Shelf Life Compliance at Delivery

- The Supplier shall ensure that:
    - Delivered food packets have **minimum 40 days of remaining shelf life** at the time of delivery at AWC level

9.4 Two-Stage Supply System

1. The Supplier may dispatch MFEDF to:

- District / Project-level storage points at any time

2. However, supply to AWCs shall be made:
   - **Only after issuance of Supply Order** by the Purchaser i.e. Director, Social Welfare, GoJ.
3. Such Supply Order shall be issued:
   - Within **14 days from date of DI** .

9.5 Storage Arrangements

1. The Supplier shall:
   - Establish and maintain **warehouse/godown facilities** at:
     - District level
     - Project level (where feasible)
2. The Purchaser may :
   - Provide storage facility at Project level on **payment basis** from where the food will be dispatched to Anganwadi Centres.

9.6 Last Mile Delivery

- The Supplier shall ensure :
  - Safe transportation
  - Proper handling
  - Doorstep delivery at **all notified Anganwadi Centres (AWCs)**

9.7 Supply of Feeding Measures

- The Supplier shall provide:
  - **Standardized measuring devices** (as per per-day serving size)
- Frequency:
  - **Once every quarter**

10. PACKAGING, LABELLING AND QUALITY ASSURANCE OF MFEDF

10.1 Applicable Guidelines

The packaging, labelling, food safety, and hygiene requirements shall comply with:

- Operational Guidelines for Food Safety & Hygiene in ICDS issued by Ministry of Women and Child Development vide Order No. F. No. 5(25)/2010/ND-Tech Pt. dated 24.12.2013
- Regulations prescribed by
  Food Safety and Standards Authority of India, including:
  - Food Safety & Standards Act, 2006
  - Packaging Regulations, 2018
  - Labelling & Display Regulations
  - Food Product Standards & Additives Regulations
  - Fortification Regulations, 2018
- Operational Guidelines issued by Ministry of Women and Child Development vide letter number CD-I-24/2/2021-US(e-90701), dated 13th January 2021

10.2 Packaging Requirements

10.2.1 General Conditions

1. MFEDF items shall be packed **on the same day of production** to prevent contamination, infestation, or adulteration.
2. Each recipe shall be:
   - Packed separately
   - Quantity sufficient for **25 days consumption per beneficiary** .

10.2.2 Packaging Material

1. Primary Packaging:
   - Laminated pouches made from **virgin LDPE granules (food grade)**
2. Secondary Packaging:
   - Laminated **HDPE woven bags** made from virgin granules
3. Each outer bag shall:
   - Contain packets for **one beneficiary**
   - Be **folded and double stitched**

10.3. Pack Size and Distribution Pattern

Table – I (Applicable for months like May, July, September, November……)

Sl. No.	Category of Beneficiary	Type of THR	Serving Size (g)	Days per Month	Quantity per Month (g)	Pack Size
1	Children (6–36 months)	Shishu Aahaar	110	13	1430	715 g × 2
		Poushtik Meetha Dalia	115	12	1380	690 g × 2
2	Pregnant Women	Poushtik Namkeen Dalia	140	13	1820	910 g × 2
		Poushtik Meetha Dalia	135	12	1620	810 g × 2
3	Lactating Mothers	Poushtik Namkeen Dalia	140	13	1820	910 g × 2
		Poushtik Meetha Dalia	135	12	1620	810 g × 2
4	Severely Malnourished Children (6 months–6 years)	Shishu Aahaar	180	13	2340	780 g × 3
		Poushtik Meetha Dalia	180	12	2160	720 g × 3
5	Adolescent Girls (14-18 Years)	Poushtik Namkeen Dalia	140	13	1820	910 g × 2
		Poushtik Meetha Dalia	135	12	1620	810 g × 2

Table – II (Applicable for months like April, June, August, October, December…...)

Sl. No.	Category of Beneficiary	Type of THR	Serving Size (g)	Days per Month	Quantity per Month (g)	Pack Size
1	Children (6–36 months)	Shishu Aahaar	110	12	1320	660 g × 2
		Poushtik Meetha Dalia	115	13	1495	748 g × 2
2	Pregnant Women	Poushtik Namkeen Dalia	140	12	1680	840 g × 2
		Poushtik Meetha Dalia	135	13	1755	880 g × 2
3	Lactating Mothers	Poushtik Namkeen Dalia	140	12	1680	840 g × 2
		Poushtik Meetha Dalia	135	13	1755	880 g × 2
4	Severely Malnourished Children (6 months–6 years)	Shishu Aahaar	180	12	2160	720 g × 3
		Poushtik Meetha Dalia	180	13	2340	780 g × 3
5	Adolescent Girls (14-18 Years)	Poushtik Namkeen Dalia	140	12	1680	840 g × 2
		Poushtik Meetha Dalia	135	13	1755	880 g × 2

10.3.2 Compliance

- Supplier shall strictly adhere to the above:
  - Serving size
  - Monthly quantity
  - Pack size
- Any deviation shall be treated as **breach of MoU**

10.4 Color Coding and Identification

- MFEDF packets shall be:
  - **Color-coded for each beneficiary category**
- To ensure:
  - Easy identification
  - Prevention of misallocation

10.5 Labeling Requirements

Each pouch and outer bag shall bear the following in **indelible food-grade ink**:

1. "Jhar-Nutri – Food Supplement for ICDS Jharkhand"
2. "NOT FOR SALE"
3. "Tested and Found Fit for Human Consumption"
4. Batch Number
5. Ingredients with percentage
6. Nutritional values per 100 g
7. Date of Manufacturing
8. Date of Expiry
9. Net Weight
10. QR Code
11. Instructions for use
12. Name and address of Manufacturer
13. **"MOTHER'S MILK IS BEST FOR YOUR BABY"** (for child category)
14. Calibration marking for one-day serving size

10.6 Damage and Replacement

- Supplier shall replace, at its own cost:
  - Damaged pouches/bags
  - Non-compliant packaging

11. QUALITY CONTROL AND QUALITY ASSURANCE

11.1 General Requirements

- MFEDF shall be:
  - Free from contamination and adulterants
- Proper segregation shall be maintained for :
  - Raw materials
  - Processed goods
  - Rejected/returned items

11.2 Raw Material Safety

- Raw materials containing :
  - Parasites
  - Harmful microorganisms
  - Pesticides
  - Toxic substances

  All these shall **not be accepted**

11.3 Inventory Management

- Supplier shall follow:
  - **FIFO (First In First Out)** system

11.4 Testing by Department

- Monthly random testing through :
  - Government / NABL accredited laboratories

11.5 Batch-wise Testing by Supplier

- Each batch shall be tested for :
  - Protein
  - Energy
  - Micronutrients
  - Moisture
  - Total Ash
  - other nutritional and safety standards outlined in this MoU
- Reports must be submitted to Purchaser
- Non-compliant batches shall not be supplied

11.6 Periodic Testing (Every 6 Months)

Testing shall include:

- Protein

- Energy
- Micronutrients
- Total Aflatoxin
- Shelf Life of the product
- Heavy Metals
- Pesticide Residues
- Microbiological parameters:
    - TPC
    - Yeast & Mould
    - Coliform
    - E. coli
    - Staphylococcus aureus
    - Salmonella
    - Clostridium botulinum
    - Also the packaging materials

11.7 Non-Compliance

Any deviation shall lead to:

- Rejection of supply
- Penalty
- Termination / blacklisting

12. PENALTY PROVISIONS AND ENFORCEMENT

12.1 Compliance with Delivery Instructions

1. The Supplier shall strictly adhere to the **Delivery Instructions (DI)** issued by the Purchaser i.e. Director, Social Welfare, GoJ.
2. In case the Supplier encounters any **Force Majeure conditions** affecting:
    - Timely manufacturing
    - Delivery of MFEDF

    The Supplier shall:

    - Immediately inform the the Purchaser i.e. Director, Social Welfare, GoJ in writing
    - Clearly specify:
        - Nature of delay
        - Duration
        - Reasons
3. The Purchaser i.e. Director, Social Welfare, GoJ may:
    - Examine the situation
    - Grant extension of time at its sole discretion

12.2 Delay in Supply and Penalty

1. In case of delay in supply of MFEDF items as per DI, and where no extension has been granted:
    - A penalty of **0.5% of the cost of delayed quantity per week or part thereof** shall be imposed
2. The penalty shall be:
    - Deducted from the Supplier's bills

12.3 Grace Period and Applicability

1. If delay is **less than 10 days** ,as per Delivery Instructions ,**No penalty shall be imposed**
2. Penalty shall apply:
    - **Beyond 30 days from the date of DI**

12.4 Inordinate Delay

1. Supply of MFEDF beyond **50 days from the date of DI** shall be treated as: " **Inordinate Delay"**

2. In such cases:
    - The supply shall be:
        - **Not accepted**
        - **Not payable**, even if delivered

12.5 Compensation for Non-Supply

1. In case of Inordinate Delay / Non-Supply:
    - The Supplier shall pay **compensation** for failure to supply within stipulated period
2. Compensation shall be:
    - Paid through **Demand Draft**
    - In favour of Director, Social Welfare
3. The compensation shall be determined in accordance with:
    - Provisions of the National Food Security Act 2013
    - Supplementary Nutrition Programme (SNP) Rules / Guidelines

12.6 Quality Failure and Batch Rejection

1. If any sample fails to meet prescribed standards:
    - Entire batch corresponding to that sample shall:
        - **Not be supplied to Anganwadi Centres**

2. Such batch shall be treated as:
    - **Rejected supply**

12.7 Post-Consumption Liability

1. In case any adverse incident arises after consumption of MFEDF :
    - The matter shall be investigated
2. If the Supplier is found responsible:
    - Appropriate **legal action** shall be initiated
    - Including :
        - Penal action
        - Recovery
        - Blacklisting

12.8 Recovery Mechanism

All penalties, compensation, and recoveries shall be made through:

- Deduction from pending payments
  OR
- Adjustment against Performance Bank Guarantee (PBG) /Security Deposits.

13. SUBMISSION OF BILLS AND MODE OF PAYMENT

13.1 Submission of Invoices

1. The Supplier shall submit **monthly invoices** for MFEDF items manufactured and delivered during the relevant period to the office of the **Director, Social Welfare**.
2. Each invoice shall be accompanied by the following mandatory documents:
    - **Delivery Challans**, duly acknowledged and signed by the authorized officer of the concerned Project/ICDS office/District offices.
    - **Batch-wise Test Reports** confirming compliance with prescribed standards
    - Any other supporting documents as may be required by the Purchaser.

13.2 Verification and Processing of Payment

1. Payment shall be released only after :
    - Scrutiny of submitted invoice(s)
    - Verification of supply by **District/Project level offices**

- Receipt of satisfactory **quality test reports**

2. The Purchaser reserves the right to:
   - Withhold payment in case of:
     - Incomplete documentation
     - Quality non-compliance
     - Quantity mismatch

13.3 Mode of Payment

1. All payments shall be made through:
   - **Electronic Payment System (e-payment)**
2. Payment shall be credited directly to:
   - The **bank account of the Supplier** as registered with the office of Purchaser.

13.4 Standard Operating Procedure (SOP)

1. The office of Purchaser shall issue a **detailed Standard Operating Procedure (SOP)** after execution of this MoU, covering:
   - Delivery mechanism
   - Distribution system
   - Verification process
   - Billing and payment workflow
2. The Supplier shall strictly comply with such SOP and any amendments issued from time to time.

13.5 No Advance Payment

- **No advance payment** shall be made to the Supplier under any circumstances.
- Payments shall be strictly on:
  - **Post-supply and post-verification basis only**

14. MISCELLANEOUS PROVISIONS

14.1 Engagement and Capacity Building of SHGs

1. The Supplier shall mandatorily undertake **progressive involvement of local Self-Help Groups (SHGs) / Mahila Mandals** in the implementation of the Programme.

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2. The scope of such involvement shall include:
    - Identification of those groups/Mandals
    - Enrolment support
    - Community sensitization
    - Awareness generation
3. The Supplier shall also:
    - Organize **non-residential training programmes** for SHGs/ Mahila Mandals
    - Build their capacity for:
        - Handling MFEDF
        - Future participation in manufacturing and supply
4. The office of Purchaser shall:
    - Provide details of:
        - Training programmes
        - Identified SHGs
5. The Supplier shall:
    - Properly **document all training and capacity-building activities**
    - Submit reports to the Purchaser within:
        - **Seven (07) days** of completion of each programme

14.2 Transition to SHG-led Model

1. The Purchaser reserves the right to:
    - Discontinue supply in any area/cluster
    - Where SHGs become capable of:
        - Manufacturing
        - Supplying MFEDF
2. Such discontinuation may be done:
    - At any time during the contract period
    - Without any liability on the Purchaser

14.3 Technology-Based Monitoring System

1. The Department intends to strengthen monitoring of ICDS food distribution through:
    - Use of **QR Code-based tracking system**
    - Integration with digital monitoring platforms

2. Objectives include:
    - Ensuring timely distribution
    - Preventing pilferage
    - Enhancing transparency and accountability
    - Reducing grievances

14.4 Development of Software Application

1. The Supplier shall:
    - Design, develop, and deploy a **comprehensive software application**
    - As per specifications and approval of the Purchaser
2. The software shall:
    - Enable tracking of MFEDF distribution
    - Integrate QR code-based monitoring
    - Be fully functional and operational
3. Timeline:
    - The operational software shall be continued.

14.5 Operation and Maintenance

1. The Supplier shall:
    - Operate and maintain the software application
    - For the entire duration of the MoU
2. The Purchaser shall:
    - Provide **server space/data storage infrastructure**

14.6 Ownership and Intellectual Property

1. Upon completion or termination of the contract:
    - The entire software application, including:
        - Source code
        - Database
        - Intellectual property Shall **vest with the** Purchaser.
2. The Supplier shall:
    - Have **no claim, right, or ownership** over the software thereafter

14.7 Financial Implication

- No additional payment shall be made by the Purchaser to the Supplier for:
    - Development
    - Operation
    - Maintenance of the software application.

15. SECURITY DEPOSIT, CONTRACT EXECUTION AND PERFORMANCE SECURITY

15.1 Security Deposit (Performance Security)

1. The successful bidder shall furnish a Security Deposit equivalent to 5% of the Contract Value of this MoU.

15.2 Form of Security Deposit

The Security Deposit shall be submitted in any one of the following forms:

1. **Fixed Deposit Receipt (FDR)** from a Nationalized or Scheduled Bank
   - In favour of: *Director, Social Welfare, Government of Jharkhand*

OR

2. **Irrevocable and Unconditional Bank Guarantee**
   - Issued by a Nationalized or Scheduled Bank
   - In the prescribed format (as per RFP)

15.3 Validity of Security Deposit

1. The Security Deposit shall remain valid for:
   - **Six (06) months beyond the expiry of the Contract period** of this MoU.
2. In case of extension of the Contract :
   - The Supplier shall extend the validity of the Security Deposit
   - So as to remain valid for **six months beyond the extended period**

15.4 Failure to Comply

1. If the successful bidder fails to:
   - Furnish Security Deposit
   - Sign the MoU within stipulated period

□ The following actions shall be taken:

- Cancellation of **MOU**

15.5 Refund of Security Deposit

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1. The Security Deposit shall be returned to the Supplier:
    - Upon **successful completion of the** MoU
    - Subject to:
        - No pending dues
        - No outstanding liabilities
2. Refund shall be processed:
    - On written request from the Supplier

16. INSPECTION AND TESTING

16.1 Right of Inspection

1. The Supplier shall permit the Purchaser or its authorized representatives to:
    - Inspect the manufacturing unit(s)
    - Inspect principal place of business and storage locations
    - Examine accounts and records related to performance of the MoU.
2. Such inspection may be carried out:
    - At any stage of production, storage, or supply

16.2 Testing of MFEDF

1. The Purchaser or its authorized representatives may:
    - Draw samples of MFEDF items
    - Get such samples analyzed as per procedures prescribed by Food Safety and Standards Authority of India

16.3 Place of Inspection

- Inspection and testing may be conducted at:
    - Manufacturer's premises
    - Storage locations
    - Final delivery points (including Anganwadi Centres)

16.4 Supplier's Obligation

The Supplier shall:

- Provide all reasonable facilities and assistance to inspectors
- Allow free access for:
    - Sampling
    - Verification
- Bear all costs related to such facilitation

16.5 Rejection of Goods

1. If any MFEDF items fail to conform to:
    - Prescribed nutritional standards
    - Quality parameters
    - Specifications under this MoU

The Purchaser shall have the right to **Reject such goods**

2. The Supplier shall replace rejected goods **at its own cost and risk**

16.6 Post-Supply Inspection Rights

- The Purchaser's right to inspect, test, and reject goods:
    - Shall continue even after delivery at final destination
- Prior inspection or approval shall:
    - **Not limit or waive** the Purchaser's rights

16.7 Pre-Dispatch Inspection

- The Purchaser may conduct:
    - **Batch-wise pre-dispatch inspection**, as and when required

16.8 No Waiver of Obligations

- Inspection or approval of goods shall not:
    - Relieve the Supplier from:
        - Warranty obligations
        - Contractual liabilities

17. INSURANCE

17.1 Insurance Coverage

1. The Supplier shall ensure that all MFEDF goods supplied under the MoU are :
    - Adequately insured against loss or damage
2. Insurance shall cover:
    - Manufacturing stage
    - Storage
    - Transportation
    - Delivery up to final destination

17.2 Value of Insurance

- The goods shall be insured for: **110% of the value of goods**

17.3 Type of Insurance

- Insurance shall be obtained on:

"All Risks" basis, including:

- Transit risks
- War risks
- Strike risks

17.4 Responsibility

- The responsibility of obtaining and maintaining insurance shall lie entirely **with the supplier.**

18. TERMINATION OF CONTRACT

18.1 Termination for Default

1. The Purchaser may terminate the Contract, in whole or in part, in case of:
    - Deficiency in quality of MFEDF items
    - Inordinate delay in supply (**after 50 days from the date of DI**)
    - Unsatisfactory performance by the Supplier on **three (03) occasions**
2. Upon such termination, the Purchaser shall have the right to:
    - Rescind the Contract of this MoU
    - Recover damages up to **10% of the unexpired value of the Contract** of this MoU

18.2 Principle of Natural Justice

- No termination shall be effected unless:
    - The Supplier is given a **reasonable opportunity of being heard**

18.3 Right of Appeal

- The Supplier may file an appeal against the termination order before: **Principal Secretary / Secretary, Department of Women, Child Development and Social Security, Government of Jharkhand**

- The decision of the Appellate Authority shall be **final and binding**

18.4 Termination for Breach of Conditions

- The Contract may also be terminated in case of:
  - Violation of provisions of this MoU
  - Breach of terms and conditions of the MoU

19. FORCE MAJEURE

The Supplier shall not be liable for any penalty or additional cost for failure to perform its obligations under this Contract if such failure arises due to causes beyond its control and without its fault or negligence, including but not limited to fire, flood, earthquake, natural calamities, blockage of roads, labour disputes, strikes, lockouts, embargo, riots, failure of law and order, or unusually severe weather conditions. In such cases, the Supplier shall promptly inform the Purchaser in writing about the occurrence, nature, and expected duration of such event, and the Purchaser shall examine the matter on merits and may grant appropriate relief or extension of time. The decision of the Purchaser in this regard shall be final and binding.

20. RESOLUTION OF DISPUTES AND JURISDICTION

Dispute Resolution and Arbitration

All disputes arising out of or in connection with this Contract shall, as far as possible, be resolved amicably through mutual discussions between the parties; failing which, the same shall be referred to a Sole Arbitrator to be appointed by mutual consent of both parties, and in case such consensus is not reached, the Sole Arbitrator shall be the Principal Secretary/Secretary, Department of Women, Child Development and Social Security, Government of Jharkhand, whose decision shall be final and binding on both parties. Each party shall bear its own costs related to arbitration proceedings, including preparation and representation, and notwithstanding such reference to arbitration, the parties shall continue to perform their respective obligations under the Contract unless otherwise mutually agreed. The jurisdiction for all legal proceedings arising out of this Contract shall lie exclusively with the competent courts at Ranchi, Jharkhand.

21. DURATION

This MoU shall remain valid for/from:_____ **(To be filled as per approval)**

22. TERMINATION

The Department may terminate in case of :

- Breach of contract
- Non-performance
- Quality issues

23. CONFIDENTIALITY

- No disclosure without approval
- Data ownership with the Purchaser.

20. MISCELLANEOUS

- No sub-contracting without approval .
- Amendments only through written order

21. SIGNATURES

For and on behalf of Governor of Jharkhand
Department of Women, Child Development and Social Security

Signature: _____
Name: _____
Designation: _____

Office Address (in detail) and Seal_____

For M/s _____

Signature: _____
Name: _____
Designation: _____

Office Address (in detail) and Seal_____