



**THE MADHYA PRADESH STATE AGRO INDUSTRIES DEVELOPMENT CORPORATION LIMITED**

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HO : MKTG/COLDROOM /2020-21/ 15792

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**CORRIGENDUM**

प्री-बिड बैठक दिनांक 19.02.2021 को कम्पनियों द्वारा जो सुझाव दिये गये हैं, उनका संक्षिप्त विवरण एवं सुझाव पर समिति की अनुशंसा निम्नानुसार है :-

Company name	Sr. no.	Suggestion	समिति की अनुशंसा
Weartech engineers pvt. Ltd (DAIKIN Channel partner)	i)	अनुभव 5 वर्ष के स्थान पर 2 वर्ष किया जाये।	असहमत
	ii)	प्रदेश की कम्पनियों को प्राथमिकता दी जावे।	असहमत
	iii)	पैनल बनाकर कल्टीवेटर द्वारा निर्माता का चयन किया जावे।	यह निर्णय दर निर्धारण उपरांत
	iv)	एल-1, एल-2 एवं एल-3 के आधार पर कार्यवाही क्रियान्वित की जावे।	असहमत
	v)	ई.एम.डी. राशि को कम किया जावे।	असहमत
	vi)	टर्नओवर की सीमा 30 करोड़ रखी जावे।	असहमत
	vii)	हाल्टीकल्चर में अनुभव के स्थान पर शासकीय अनुभव को प्राथमिकता दी जावे।	असहमत
Panasonic India Pvt. Ltd.	1)	Cold rooms volume (CFT) to procure actual capacity of products 5 MT & 10 MT, volumetric space of 30% more is needed to fulfil the storage .of actual capacity of products.	असहमत
	2)	Max. product incoming/day is 5MT (50% of total storage), we suggest it should be 5 MT(100%) as cold room size is smaller one & need of farmer to store the product may be of full load.	असहमत
	3)	In compressor type, since it is specified as hermetically sealed, and not mentioned whether scroll or recip; we suggest going for more advanced and better technology hermetically sealed scroll compressor instead of	असहमत
	4)	In compressor make, we request to add/specify Panasonic brand compressor also. We are global supplier and rated as one of the best in terms of technology, performance and reliability & are fulfilling all criteria to become an approved compressor to be added in technical specification for cold room	सहमत
	5)	If we will consider the actual capacity of 5MT & 10MT to be stored in cold room, the capacity w.r.t to 100% loading per day the cooling capacity required will be increased to 12 KW for 5MT & 24 kW for 10MT cold rooms. Please refer attached heat load sheet also for the same.	असहमत
	6)	Refrigerant R404a is better efficient than R 407C in case of positive room temperature application need of temperature range (+2°C to + 10°C) is considered. Suggestion to prefer only R 404a for this specific need of Cold Room temperature ranger to get better cooling efficiency.	सहमत


Dynamic electropower pvt. Ltd.	1)	Consider our past experience of solar pumping system under mukhyamantri solar pumping scheme and distribution transformers supply for farmers being agriculture/horticulture supply.	असहमत
Ecozen solution pvt ltd.	1)	<b>Room size (in sq.ft.):</b> No such specification of area should be provided as long as there is a specific room volume. 960 is an erroneous value for square footage anyway.	असहमत
	2)	<b>Room temperature:</b> Almost all horticulture produce can be stored well at 4 degrees c and above. Since, thermal storage is made of water which freezes at 0 C, it may be tough to maintain 2 C accurately at all ambient conditions. We proposed 4 to 10 C.	असहमत
	3)	<b>Max. product incoming/day:</b> Should be split into 3 parts. 1. Precooling withing 6 hours on solar only -500kg, 2. Precooling within 6 hours on grid -1000kg. 3. Precooling within 18 hrs on solar -1000kg. For the power being talked about, 2.5MT is a very high incoming load for the solar panel and cooling capacities specified.	असहमत
	4)	<b>Pull down duration:</b> Not necessary if the above is defined	असहमत
	5)	<b>Insulation thickness:</b> Should be 100 mm as solar is a very expensive power source. It should be 100 mm PUF or equivalent. One could use 80 mm if there is a better alternative of PUF satisfying the equivalent of 100 mm PUF	असहमत
	6)	<b>Type of Ref. system:</b> "split type" should not really be specified, as long as it is air cooled, it should be fine. This is just a suggestion	सहमत
	7)	<b>Compressor type:</b> Hermetic, semi-hermetic, sealed type should be allowed	सहमत
	8)	<b>Compressors make:</b> Frascold, blitzer should also be allowed as they conform to EU norms, much like Danfoss and are market leader even in India	सहमत
	9)	<b>Cooling capacity (-2C evp. &amp; 50 cond.):</b> The mentioned value is not sufficient to pull down heavy load on capacity while charging thermal storage too. At compressor, this cooling capacity be 9kW.	असहमत
	10)	<b>Connected load:</b> 5kW	असहमत
	11)	<b>Humidifiers:</b> Minimum 20 liter tank should be specified for properly maintaining humidity for a week. A 5 liter tank would have to be filled by the user almost daily which is not a great product experience.	असहमत
	12)	<b>Product loading/unloading:</b> Please refer s.n. 9 &10 in the tender.	असहमत
	13)	<b>Pull down desired time:</b> Please refer s.n. 9 & 10 in the tender. Conflicting with the point 10.	असहमत
	14)	<b>Wall and ceiling insulation &amp; thickness:</b> This is another technology for better air tightness i.e. tongue and groove based locking and that should be allowed too.	सहमत
	15)	<b>Floor insulation and thickness :</b> Tongue-and-groove should also be allowed. PCC+kota does not make sense for a pre fabricated modular room. 80 mm PUF of 100 mm PUF with 0.5 mm PPG along with 3 mm antiskind Aluminim checkered sheet should be allowed	सहमत

	16)	<b>Designed solar radiation levels:</b> We suggest 4.5kWh/m2 day GHI	असहमत
	17)	<b>Back up duration:</b> 18-22 hours at 40 C ambient should be specified. It is more important to specify ambient temperature than GHI here.	सहमत
	18)	<b>Size (solar plate):</b> Atleast 5kWp	असहमत
	19)	<b>Condensing unit:</b> It should be 9 kW. Please refer point s.n. 17 in tender	असहमत
	19)	<b>Evaporator unit:</b> Minimum 6kW should be specified at evaporator. Ideally 1500CFM is desirable for 5MT produce.	असहमत
	20)	<b>Thermal storage configuration:</b> It is quite unnecessary to mention this. As long as the leakage criteria is satisfied, it need not be mentioned.	असहमत
	21)	<b>Extend tender date of 25<sup>th</sup> of February by atleast 7 to 10 days as this is a very short notice for furnishing all formalities.</b>	सहमत
	22)	<b>We request to make the submissions online to ease of bidders while hard copies could be provided at any point in time.</b>	असहमत
Neer Horticulture Solutions Pvt. Ltd.	1)	EMD amount reduce to 3 lac rupees instead of 5 lac. (as its 1% of turnover of company)	सहमत
	2)	Security deposit : Deduct 5% from govt. assistance amount not from farmers share.	असहमत
	3)	Farmer share will directly either deposit to vendor.	यह निर्णय दर निर्धारण उपरांत
	4)	Sub contract or dealer will allow to perform for reach the rural areas.	यह निर्णय दर निर्धारण उपरांत

उक्त के अतिरिक्त निम्नलिखित अतिरिक्त अनुशंसा है :-

1. अंतिम तिथि दिनांक 25 फरवरी 2021 से बढ़ाकर दिनांक 10 मार्च 2021 किये जाने की अनुशंसा की जाती है।
2. ई.एम.डी. राशि रुपये 5 लाख के स्थान पर रुपये 3 लाख निर्धारित किये जाने की अनुशंसा की जाती है।

उपरोक्तानुसार आर.सी.ओ. में परिवर्तन मान्य किया गया है।

  
DY. GENERAL MANAGER (MKTG)

3/3/2021