

(Autonomous Institution of the Department of Atomic Energy, Government of India)
Survey No.36/P, Gopanpally Village, Serilingampally Mandal,
Ranga Reddy District, Hyderabad-500046, Telangana

Date: 11.06.2024

# Corrigendum-I Amendments in the tender document

## **PUBLIC TENDER**

# TENDER REFERENCE NO.: TIFR/PD/CF24-23/240147

Supply, Installation, Testing & Commissioning of cleanrooms for Petawatt Facility at TIFR, Survey No. 36/P, Gopanpally (Village), Serilingampally (Mandal), Ranga Reddy Dist., Hyderabad- 500046.

# Following are the amendments

Sl.No	Tender Section & Clause No.	As per Tender	Corrigendum
1	Section-I & Clause No. 6 (Page No. 9)	PAYMENT SCHEDULE: The contractor shall submit the bills for payments along with a detailed statement showing the actual works carried out under different heads of items in the format specified by the TIFR. Minimum value of the work for interim payment (Two Running Bills) shall be 30% of the work order value. All interim (Maximum three Running Bill) and final bills will be settled based on the joint measurements of each item of work and certified by TIFR Engineer. The bills for nonperishable materials on site may also be submitted and the payment by TIFR against the same shall be to the maximum extent of 60% of the value of these materials on production of sufficient documentary evidence ie. Original invoice, Inventory, etc. All interim bills will be paid within 15 days from the date of submission and Final Bill along with all relevant documents will be settled within 30 days from the date of submission with certification of TIFR Engineer.	PAYMENT SCHEDULE: The contractor shall submit the bills for payments along with a detailed statement showing the actual works carried out under different heads of items in the format specified by the TIFR. Minimum value of the work for interim payment (Three Running Bills) shall be 30% of the work order value. All interim (Maximum three Running Bill) and final bills will be settled based on the joint measurements of each item of work and certified by TIFR Engineer. TIFR Officers may sanction the secured advance up to an amount not exceeding 90% of the value of the materials as assessed by the Engineer-in-charge, or an amount not exceeding 90% of the material element cost in the tendered rate of the finished item of work, whichever is lower on production of sufficient documentary evidence i.e. Original invoice, inventory, Insurance for the fire and theft etc. All interim bills will be paid within 15 days from the date of submission and Final Bill along with all relevant documents will be settled within 30 days from the date of submission with certification of TIFR Engineer.
2	Section-IV & Clause No. 12 (Page No. 25)	Terms of Payment The contractor will be paid only Two Running Account (RA) Bills and Final Bill considering the progress of works based on measurement of works completed. The contractor shall submit the bills for payments along with a detailed statement showing the actual works carried out under different heads of items in the format specified by TIFR-, Hyderabad.	Terms of Payment The contractor will be paid only <b>Three</b> Running Account (RA) Bills and Final Bill considering the progress of works based on measurement of works completed. The contractor shall submit the bills for payments along with a detailed statement showing the actual works carried out under different heads of items in the format specified by TIFR-, Hyderabad. Minimum value



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	100	Minimum value of the work for interim	of the work for interim payment shall be 30% of
		payment shall be 35% of the work order value.	the work order value. TIFR Officers may sanction the secured advance up to an amount
		209/00/00/20	not exceeding 90% of the value of the materials as assessed by the Engineer-in-charge, or an
			amount not exceeding 90% of the material
		The second secon	element cost in the tendered rate of the
			finished item of work, whichever is lower on production of sufficient documentary evidence
		20.7 17.7 The results of the results	i.e. Original invoice, inventory, Insurance for
			the fire and theft etc.
3	Section-VIII	Supply and Installation of powder coated clean room 50 mm thick single leaf flushed doors	Supply and Installation of powder coated clean room 50 mm thick single leaf flushed doors
3	& SOQ S.	made of 0.8 mm thick for outer skin and 0.8	made of 0.8 mm thick for outer skin and 0.8 mm
	No. 8 (Page	mm thick for inner skin electro zinc steel sheet	thick for inner skin electro zinc steel sheet on
	No. 70)	on both sides with PUF insulation of density 42	both sides with PUF insulation of density 42 kg /
		kg / cub. mt., with all fittings, view panel, door	cub. mt., with all fittings, view panel, door
		closure, etc. Size of the door shall be	closure, etc. Size of the door shall be considered
		considered tentatively as indicated in the	tentatively as indicated in the drawing. Powder
		drawing. Powder coating thickness shall be 60	coating thickness shall be 60 to 80 microns.
		to 80 microns. Doors shall have door frame,	Doors shall have door frame, double glazing see
		double glazing see thru glass / view panel,	thru glass / view panel, hardware like door
		hardware like door closure, SS handles, SS ball	closure, SS handles, SS ball bearing butt hinges
		bearing butt hinges and automatic door	and automatic door bottom seal, etc. Each door shutter shall be with lock seam joints at style
		bottom seal, etc. Each door shutter shall be with lock seam joints at style edges with	edges with required no. of stainless steel butt
		required no. of stainless steel butt hinges	hinges SS304 of size 100mm*75mm-(3nos) with
		SS304 of size 100mm*75mm-(3nos) with HSN	HSN screws. Mortice Lock(make: Door set)-1no.,
		screws. Mortice Lock(make: Door set)-1no.,	auto drop bottom seal 1 set,SS Sick
		auto drop bottom seal 1 set,SS Sick	plate-1set, Dtype 19mm dia *250mm steel
		plate-1set,Dtype 19mm dia *250mm steel	handel for pull & push -2no.,Door closer
		handel for pull & push -2no.,Door closer	(Dorma/ equivalent make) 1no. All the fittings
		(Dorma/ equivalent make) 1no. All the fittings	shall be compatible for a clean room. Doors shal
		shall be compatible for a clean room. Doors	have an automatic bottom flap to seal the gap
		shall have an automatic bottom flap to seal the	below the door when the door is closed. Utmost
		gap below the door when the door is closed.	care shall be taken in order to arrest the air leak
		Utmost care shall be taken in order to arrest	from the door and an SS strip of 5 mm thick shall
		the air leaks from the door and an SS strip of 5 mm thick shall be fixed on the floor for the	be fixed on the floor for the door width to arrest the air leakages from the door. View panel size in
		door width to arrest the air leakages from the	each leaf of the door shall be 600 x 300 mm.
		door. View panel size in each leaf of the door	Complete door hardware and accessories shall
		shall be 600 x 300 mm. Complete door	be of Dorma make. Door Size : 1200 x 2400 mm
		hardware and accessories shall be of Dorma	- 2 nos & 1000 x 2400 mm 4 nos.
Yes er		make. Size : 1000 x 2100 mm - 4 no	
		Supply and Installation of powder coated clean	Supply and Installation of powder coated clean
4	Section-VIII	room 50 mm thick double leaf flushed doors	room 50 mm thick double leaf flushed doors
	& soq s.	made of 0.8 mm thick for outer skin and 0.8	made of 0.8 mm thick for outer skin and 0.8 mm
	No. 9 (Page	mm thk for inner skin electro zinc steel sheet	thk for inner skin electro zinc steel sheet on both
	No. 70)	on both sides with PUF insulation of density 42	sides with PUF insulation of density 42 kg / cub.
		kg / cub. mt., with all fittings, view panel, door	mt., with all fittings, view panel, door closure,
		closure, etc. Size of the door shall be	etc. Size of the door shall be considered
		considered tentatively as indicated in the	tentatively as indicated in the drawing. Powder



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		drawing. Powder coating thickness shall be 60	coating thickness shall be 60 to 80 microns.
		to 80 microns. Doors shall have door frame,	Doors shall have door frame, double glazing see
		double glazing see thru glass / view panel,	thru glass / view panel, hardware like door
		hardware like door closure, SS handles, SS ball	closure, SS handles, SS ball bearing butt hinges
		bearing butt hinges and automatic door	and automatic door bottom seal, etc. Each door
		bottom seal, etc. Each door shutter shall be	shutter shall be with lock seam joints at style
		with lock seam joints at style edges with	edges with required no. of stainless steel butt
		required no. of stainless steel butt hinges	hinges SS304 of size 100mm*75mm-(3nos) with
		SS304 of size 100mm*75mm-(3nos) with HSN	HSN screws. Mortice Lock(make: Door set)-1no.,
		screws. Mortice Lock(make: Door set)-1no.,	auto drop bottom seal 1 set,SS Sick
		auto drop bottom seal 1 set,SS Sick	plate-1set,Dtype 19mm dia *250mm steel
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		handel for pull & push -2no.,Door closer	(Dorma/ equivalent make) 1no. All the fittings
		(Dorma/ equivalent make) 1no. All the fittings	shall be compatible for clean room. Doors shall
		shall be compatible for clean room. Doors shall	have automatic bottom flap to seal the gap
		have automatic bottom flap to seal the gap	below the door when the door is closed. Utmost
		below the door when the door is closed.	care shall be taken in order to arrest the air leaks
		Utmost care shall be taken in order to arrest	from the door and an SS strip of 5 mm thick shall
		the air leaks from the door and an SS strip of 5	be fixed on the floor for the door width to arrest
		mm thick shall be fixed on the floor for the	the air leakages from the door. View panel size in
		door width to arrest the air leakages from the	each leaf of the door shall be 600 x 300 mm.
	V. <	door. View panel size in each leaf of the door	Complete door hardware and accessories shall
	KANAF	shall be 600 x 300 mm. Complete door	be of Dorma make. Door Size : 1800 x 2400 mm
	1 4000 -	hardware and accessories shall be of Dorma	- 7 nos, 1200 x 2400 mm 1 no & 2500 x 3657
		make. Size : 2000 x 2100 mm - 1 no.	mm 2 nos
		Validation of cleanroom and documentation	Validation of cleanroom and documentation for
5	Section-VIII	for cleanroom for air velocity test, DP test,	cleanroom for air velocity test, DP test, particle
	& soq s.	particle count, cleanroom classifications,	count, cleanroom classifications, pressure
	No. 25	pressure balancing, temperature test, RH test,	balancing, temperature test, RH test, laminar
	(Page No.	laminar flow visualization video, recovery test	flow visualization video, recovery test with
	74)	with video, etc. Validation shall be done by an	video, etc. Validation shall be done by an
		approved third party and documents shall be	approved third party and documents shall be
		professionally prepared. All the formats shall	professionally prepared. All the formats shall be
		be submitted for review and approval by the	submitted for review and approval by the client.
		client. Whatever modifications, adjustments	Whatever modifications, adjustments need to be
		need to be done for achieving the proper	done for achieving the proper results shall be
		results shall be carried out before the final test.	carried out before the final test. If the test
		If the test results are not satisfactory, testing	results are not satisfactory (under given scope in
		shall be repeated at no extra cost.	this work), testing shall be repeated at no extra
		Shan be repeated at no extra cost.	cost. If parameters like CFM, Temperature & RH
			(which are not given in the scope) not
			satisfactory, extra will be paid. However,
			contractors shall coordinate with HVAC
			contractors before performing validation in order to get satisfactory results.
		Supply, installation, testing and commissioning	Supply, installation, testing and commissioning
6		of Digital Addressable Lighting Interface (DALI)	of Digital Addressable Lighting Interface (DALI)
		Software to control, schedule, dimming etc as	system inclusive of required Dimmable drivers,
	Section-VIII	per the site requirements for 42 W and 60 W	Power supply modules, Gateway Modules,
	& SOQ S.	Clean room LED Lights (Sl. No. 27 & 28). That	Logic modules, controllers, Touch screens, TAB
	No. 29	shall be work through wi-fi by Tablet or Mobile	for mobile application, control wiring,
	(Page No.	and also Manual touch Panel Switch (ON, OFF	programming, other hardware items as per the
	75)	and Dimming control system shall be provided)	programming, other hardware items as per the
	131	and billing control system shall be provided)	



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	Legislation (is at Q2 set flore executarly property)	site requirements in order to control, schedule,
	ese un sulla establica envisió sopia ovari de caració. É	groupling, dimming etc as per the site
	too be not be meeting to being length for early or out	requirements for 42 W and 60 W Clean room
	Property of the Asia State of the service of the service of the service of	LED Lights ( SOQ SI. No. 27 & 28). That shall be
	poble for 2 of a membrack and are made of the 1	work through wi-fi by Tablet or Mobile and also
	engle is stone more pact (this ed high), reduced	Manual touch Panel Switch (ON, OFF and
	their roun case rate to lon bestudies downing in	Dimming control system shall be provided)
	the control of the total to a source of	Note:
	pentition continues in order to the continue of the continues that are continued to the continues that	<ol> <li>Power wiring for above lights are not</li> </ol>
	world off test it value into proving their tissue.	included in this scope.
	the state of the short seems and the second	2. Make shall be the same as S. No. 27 &
	to a recommendation of the second states and the second	28
	ranger in the control to be and the property of the control of	xeapla provinces is the factor of factors in the con-

All other terms & conditions of subject enquiry shall remain unchanged. This Corrigendum-I is an integral part of the subject enquiry and a copy of the same must be submitted along with the quotation duly signed and stamped.

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