

**GOVERNMENT OF ODISHA
DEPARTMENT OF P.R & D.W
INVITATION FOR
EXPRESSION OF INTEREST
IDENTIFICATION No: - GONDIA BLOCK- 01 / 2024-25
E-mail address: - ori-gandia@nic.in**

Block Development Officer, Gondia, Dhenkanal invites Expression of Interest (Eoi) from reputed agencies/firms with adequate experience and expertise for installation of Solar Cold Room of 10 MT at Lahada Kashipur under Gondia Block. The interested agencies/firms may furnish the Eoi proposal in sealed envelope superscribed "**Expression of Interest for installation of Solar cold Room**". The Eoi proposal can **ONLY** be received by **Registered Post / Speed Post / Courier** from 20.01.2025 to 29.01.2025 by 5.00 PM. Submission of proposal **by hand** is not permissible/ acceptable. Evaluation will be on dt. 30.01.2025 at 11.00 AM in the Office Chamber of Block Development Officer, Gondia.

The Eoi Inviting Authority i.e. BDO, Gondia reserves the right to accept or reject any / all bids and can cancel the entire selection process at any stage without assigning any reason thereof. No claim, whatsoever, shall be admissible for the alleged loss/damage suffered by the applicants on account of such rejections.

-sd-
**Block Development Officer,
Gondia**

PROJECT ESTIMATE

Name of the Scheme/Programme

ASPIRATIONAL DISTRICT PROGRAMME

Name of the Project

**ESTABLISHMENT OF SOLAR COLD ROOM OF 10MT AT-
LAHADA/ KASIPUR, GONDIA BLOCK, DIST-DHENKANAL**

Estimated Cost

Rs. 20,00,0000.00

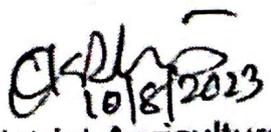
(Rupees Twenty lakh) only

**Presented by Chief District Agriculture Officer,
Dhenkanal**

PREFACE

The Rationality of the proposed project is to benefit the 2,00,935 WSHG members as well as 1,09,991 PVTG group members who do not have any access to sell their Agricultural & Horticultural produce in remunerative & competitive market price rather they are forced to sell their products at distressed rate in the local market. The establishment of such Solar Cold Room project will not only increase the self-life of the farm produce but also fetch better price which will improve the livelihood of the members. In this project the WSHGs, the company / vendor, Mission Shakti, Agriculture Department & the District Administration will act as the project partners. The execution part shall be monitored by the Agriculture & Horticulture Department in the District in association with the District Administration. The company / vendor to be selected through EoI by the CDAO, DDH, DPC (Mission Shakti), DRCS, ADM (Revenue) under the chairmanship of the Collector and District Magistrate, Dhenkanal. The necessary capacity building shall be done in association with the company / vendor, Mission Shakti, District & Block officials from time to time. The execution of Solar Cold Room projects preferable to be done through the company / vendors who have been establishing such projects in Horticulture Sector throughout the State. It is proposed to establish such projects in all the 8 blocks of the District under Aspirational District Programme. In this regard, ADM (Revenue), Dhenkanal has been informed by the CDAO, Dhenkanal for requisition of land for establishment of the project along with propose place in different blocks.

Accordingly the project estimate has been prepared amounting to Rs. 20,00,000/- (Rupees Twenty lakh) only for establishment of 10MT Cold Room at ~~_____~~, Gondia Block, Dist-Dhenkanal. This project will be helpful for the aforesaid members in the nearby locality & block area in order to increase the storage life of the farm produce and to fetch better price in the market to increase their livelihood in a better way.


10/8/2023
Chief District Agriculture Officer
Dhenkanal

Establishment of Solar Cold Room at [REDACTED], Gondia Block

Cold Room PUF panel Structure					
	Description	Unit	Qty	Rate	Amount
	Wall & Roof Ceiling with PUF (Poly Urethane Foam) Panel of 100mm thick with density of 40+/- 2 kg/m ³ & 0.5mm thick PPGI sheet inside of size 15ftx10ftx10ft (LxBxH); Flooring with min 80mm thick PUF with 1mm thick antiskid aluminium plate; Door of 6ftx2.5ft size with 100mm PUF panel with 0.5mm thick PPGI sheet both side & fitted with hinges & handle & locking arrangements including the cost of materials, fitting, fixing & transportation & taxes etc complete	1 unit	1 unit	625,000.00	625,000.00
B	Refrigeration system				
	Refrigeration system includes Evaporative coil, Condensing unit, Refrigerant of R407F/R134A or any other zero ODP & GWP<2000; Temp & humidity control panel, electric fittings, copper pipe including the cost of materials, fitting, fixing & transportation & taxes etc complete	1 unit	1 unit	475000.00	475000.00
C	Solar system for 10 MT cold room with TSS				
	Solar power system includes solar plant, panels, batteries, TSS (Thermal Storage System) MPPT controller VFD drive etc including the cost of materials, fitting, fixing & transportation & taxes etc complete	1 unit	1 unit	650000.00	650000.00
				Total of A+B+C	1750000.00
D	Civil & Fabrication work				
1	Platform of size of 20ftx15ftx3ft(LxBxH)	1 unit	1 unit	91000.00	91000.00
2	Fitting fixing of GI/MS heavy duty square bar & frame to rest the solar panel over the chamber	1 unit	1 unit	75000.00	75000.00
3	Solar equipment room made up of iron structure fixed on the platform & fitted with profile sheet as per the site requirement	1 unit	1 unit	79000.00	79000.00
				Total of D	245000.00
					5000.00
				Grand Total	2,000,000.00

(Rupees Twenty Lakh) only

Prepared by

Pachhi
10/8/2023

Asst. Agril Engineer
O/o DDH, Dhenkanal

*Technically sanctioned for Rs. 20,00,000/-
Rupees twenty lakh only -*

Technical sanctioned by

[Signature]
Executive Engineer (Agril)
Dhenkanal

Countersigned by

[Signature]
10/8/2023

Chief Dist. Agriculture Officer
Dhenkanal

*Administratively Approved for Rs. 20,00,000/-
(Rupees twenty lakh) only*

[Signature]
14/8/23
**COLLECTOR
DHENKANAL**

ABSTRACT OF COST FOR CONSTRUCTION OF PLAT FORM FOR SOLAR COLD ROOM

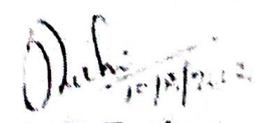
Item	Qty	Unit	Rate	Amount
Civil Work				
1 Site clening, cutting of bushes and removal of debris from the work site and layout of the project with help of unskilled labourers	2.00	Mandays	345.00	690.00
2 Excavation of foundation in hard soil within 50 m initial lead and 1.5 m initial lift including rough dressing and levelling as per the direction of engineer in charge	6.327	cum	204.72	1295.26
3 Filling foundation and plinth with sand well watered and rammed including cost and conveyance of materials.	16.282	cum	648.87	10564.90
4 C.C.(1:3:6) with 4 c.m. size h.g. metal in F&P.	1.055	cum	5419.86	5717.95
5 C.C.(1:2:4) with 12 mm. size h.g. metal in F&P.	3.000	cum	6619.66	19858.98
6 R.C.C. work M-20 grade using 20mm and 10mm size black hard crusher broken granite chips including hoisting lowering laying and centring shuttering including cost, conveyance, royalties and cost of all materials and labour with T & P required for the work etc. complete in all respect as directed by the Engineer – in charge.	0.629			
7 Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specification in ground floor	0.350	qtl	8978.51	3142.48
8 Brick work with Fly Ash Brick having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in foundation and plinth	6.731	cum	4844.37	32607.45
9 12 mm thick cement plaster in c.m (1:6) over brick masonry, outer walls in ground floor	13.200	sqm	151.13	1994.92
			Total	75871.94
	Add Contingency @	1.0%		713.00
	Add Labour Cess @	1.0%		758.72
	Add GST @	18.0%		13656.95
			Grand Total	91000.61
			Say Rs.	91000.00
	Ninety One Thousand only			

Sanctioned By



**Executive Engineer (Agril),
Dhenkanal Division. Dhenkanal**

Prepared By



**Asst. Agril. Engineer,
O/o-DDH, Dhenkanal**

DETAILED ESTIMATE FOR CONSTRUCTION OF PLAT FORM FOR SOLAR COLD ROOM

1	Site clearing, cutting of bushes and removal of debris from the work site and layout of the project with help of unskilled labourers										2.00	Mdays
2	Excavation of foundation in hard soil within 50 m initial lead and 1.5 m initial lift including rough dressing and levelling as per the direction of engineer in charge											
	Columns	C1	4	x	0.60	x	0.60	x	0.60	=	0.864	
	Walls	LW	2	x	6.00	x	0.38	x	0.60	=	2.736	
		SW	2	x	4.50	x	0.38	x	0.60	=	2.052	
		Step	1	x	1.50	x	0.75	x	0.60	=	0.675	
											Total	6.327 cum
3	Filling foundation and plinth with sand well watered and rammed including cost and conveyance of materials.											
	Columns	C1	4	x	0.60	x	0.60	x	0.15	=	0.216	
	Walls	LW	2	x	6.00	x	0.38	x	0.15	=	0.684	
		SW	2	x	4.50	x	0.38	x	0.15	=	0.513	
		Step	1	x	1.50	x	0.75	x	0.15	=	0.169	
		pindi	1	x	5.50	x	4.50	x	0.60	=	14.850	
	dedn	column	4	x	0.25	x	0.25	x	0.60	=	0.150	
											16.282 cum	
4	C.C. (1:3:6) with 40 mm. size h g metal in F & P.											
	Columns	C1	4	x	0.60	x	0.60	x	0.10	=	0.144	
	Walls	LW	2	x	6.00	x	0.38	x	0.10	=	0.456	
		SW	2	x	4.50	x	0.38	x	0.10	=	0.342	
		Step	1	x	1.50	x	0.75	x	0.10	=	0.113	
											1.055	
5	C.C.(1:2:4) with 12 m.m. C.B.H.G. chips with rigid smooth centering and shuttering including hoisting and laying in layers, with false works, dismantling shuttering after casting etc, complete in Ground Floor											
		pindi	1	x	6.00	x	5.00	x	0.10	=	3.000	
										Total	3.000 cum	
6	R.C.C. work M-20 grade using 20mm and 10mm size black hard crusher broken granite chips including hoisting lowering laying and centring shuttering including cost, conveyance, royalties and cost of all materials and labour with T & P required for the work etc. complete in all respect as directed by the Engineer - in charge.											
	(a)	Column base	4	x	0.60	x	0.60	x	0.35	=	0.504	
		Columns	4	x	0.25	x	0.25	x	0.50	=	0.125	
											0.629	
7	Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specification in Ground Floor											
	Column base	10 mm	2	x	4	x	0.700	=	5.6	rmt		
	column	12 mm	4	x	4	x	1.15	=	18.4	rmt		
										Total	0.350 qft	
8	Brick work with Fly Ash Brick having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:6) in Foundation and Plinth											
	Walls	1st footing below GL	2	x	6.00	x	0.38	x	0.35	=	1.596	
		LW	2	x	4.50	x	0.38	x	0.35	=	1.197	
		SW	1	x	1.50	x	0.75	x	0.35	=	0.394	
	Steps	above GL	2	x	6.00	x	0.25	x	0.60	=	1.800	
		LW	2	x	4.50	x	0.25	x	0.60	=	1.350	
		SW	1	x	1.50	x	0.75	x	0.18	=	0.197	
	Steps		1	x	1.50	x	0.50	x	0.18	=	0.131	
			1	x	1.50	x	0.25	x	0.18	=	0.066	
										Total	6.731 cum	
9	12 mm thick cement plaster in c.m(1:6) over brick or stone masonry outside walls Ground Floor											
	Walls		1	x	22	x	0.60			=	13.200	sqmt

Sanctioned by

Executive Engineer (Agril.),
Dhenkanal Division, Dhenkanal

Prepared by

Asst. Agril. Engineer,
O/o DDH, Dhenkanal