

ESCALATION BILL

Price variation under RPWA 100 clause 45 (Rajasthan PWF&AR)

1. Particulars of the work

S.No.	Particulars	Details
1	Name of work	1111
2	Agreement no.	-
3	Name of contractor	-
4	Contract value (accepted tendered amount)	-
5	Date of start of work	-
6	Stipulated date of completion	-
7	Price variation clause	RPWA 100 clause 45 (Rajasthan PWF&AR)
8	Base index	-
9	Indices	Labour: CPI-IW Bhilwara (Labour Bureau, 2016=100); materials: Wholesale Price Index, Office of the Economic Adviser (base 2022-23 = 100)
10	Current index	Quarterly (CPWD 10CC, RPWA 100 clause 45): average of the 3 months of each calendar quarter; the bills are put to the quarters as set below
11	Work done in a quarter (R)	Whole bill in the quarter of its date of measurement (end of bill period) - RPWA 100
12	After the stipulated date	No escalation for work done after the stipulated date (RPWA 100 condition 7) - enter the date including extensions not attributable to the contractor
13	Fall in indices	Recovered (de-escalation)
14	Value limit	Escalation only on work beyond ■ 50,00,000.00 when the contract value is not above it
15	Eligibility	Stipulated period more than 3 months

2. Abstract of escalation

S.No.	Bill	Period	Value of work done (■)	Not eligible (■)	Eligible value V (■)	Escalation (■)	Cumulative (■)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Total		0.00	0.00	0.00	0.00	

The escalation of each bill is its share of the quarterly escalation (Annexures B to D).

4. Remarks

1	Enter the base month of the indices (Contract tab).
2	Enter the stipulated date of completion (with extensions not attributable to the contractor) - work done after it gets no escalation.
3	Enter the contract value (accepted tendered amount less materials supplied by the department) to check the ■ 50,00,000.00 condition of clause 45.

5. Certificates

1. Certified that the value of work done shown in the abstract is as per the measurements recorded in the Measurement Book and the bills passed, and excludes materials supplied by the department, extra / substituted items paid at market or agreed rates and other items not eligible for price variation.
2. Certified that the indices adopted are as published by the Labour Bureau, Government of India (CPI-IW) and the Office of the Economic Adviser, DPIIT (WPI) for the months shown in Annexure E.
3. Certified that no escalation has been allowed on work done after the stipulated date of completion (-), which includes the extensions of time not attributable to the contractor.
4. Certified that the conditions of admissibility of clause 45 are fulfilled (stipulated period more than 3 months; work beyond ■ 50,00,000.00).
5. Certified that escalation for the work covered by this statement has not been paid earlier, other than the amount shown as paid up to the previous bill.
6. Certified that the arithmetical accuracy of the statement has been checked.

<p>Signature Contractor</p> <p>Name: Date:</p>	<p>Signature Junior Engineer</p> <p>Name: Date:</p>	<p>Signature Assistant Engineer</p> <p>Name: Date:</p>	<p>Signature Executive Engineer</p> <p>Name: Date:</p>
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Passed for ■ (Rupees only)

ANNEXURE A – Price variation components and formulas

Weightages as per the agreement / sanctioned estimate; base index for each component.

S.No.	Component	P (%)	Index series	Base index I ₀	How the base index is obtained
	Adjustable portion of R	75	-	-	-
1	Labour	33	CPI-IW Bhilwara (Labour Bureau, 2016=100)	missing	I ₀ missing
2	Material	22	WPI All Commodities (OEA code 1000000000, 2022-23=100)	missing	I ₀ missing
3	H S Diesel / petrol	4	WPI High Speed Diesel (HSD) (OEA code 1202010005, 2022-23=100)	missing	I ₀ missing
4	Cement	37	WPI Manufacture of cement, lime and plaster (OEA code 1313050000, 2022-23=100)	missing	I ₀ missing
5	Iron & steel	4	WPI Bars and Rods of Mild steel (OEA code 1314010014, 2022-23=100)	missing	I ₀ missing
6	Bitumen	0	WPI Bitumen (OEA code 1202010007, 2022-23=100)	missing	I ₀ missing
	Total of P	100			

Formulas

S.No.	Formulas used in this statement
1	Escalation for component k (RPWA 100 clause 45): $V_k = 0.75 \times P_k / 100 \times (I_{k1} - I_{k0}) / I_{k0} \times R$
2	P_k = percentage of component k ($\sum P_k = 100\%$); 75 % of R is adjustable
3	V = value of work done – extra / non-escalable items – materials issued by the department
4	R of a quarter = $\sum$ shares of the bills in the quarter; share = $V \times \text{days counted} / \text{days of the bill} - \text{deduction (value limit)}$ (whole bill in the quarter of its date of measurement)
5	I ₀ = base index = index of -
6	I = current index = $(I \text{ month 1} + I \text{ month 2} + I \text{ month 3}) / 3$ of the calendar quarter
7	Days after the stipulated date are not counted (no escalation)
8	Escalation of a bill = $\sum$ over quarters [share of the bill $\times$ escalation of the quarter / R of the quarter]

ANNEXURE B – Distribution of the bills to the quarters (R)

Each bill's eligible value V is taken in the calendar quarter in which its measurements end. R of a quarter = sum of the shares.

Quarter	Bill	Part of the bill period	Days	Days of bill	Eligible value V (■)	Share (■)
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ANNEXURE C – Quarter-wise calculation of escalation

Index of a quarter = average of its three monthly indices; escalation of each component with the figures put into the formula.

Summary

Quarter	R (■)	Escalation (■)
Total	0.00	0.00

ANNEXURE D – Escalation of each bill

Each bill's escalation is its share of the escalation of the quarters in which its work falls.

Bill	Share of the bill in a quarter × escalation of the quarter / R of the quarter	Escalation (■)
Total		0.00